Attachment "D"

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE POLYPEPTIDES ENCODED THEREBY

<130> 8535-0026-999

<140> US 09/398,253
<141> 1999-09-17

<150> US 60/095,989
<151> 1998-08-10

<150> US 60/100,917
<151> 1998-09-17

<160> 1008

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<213> Artificial Sequence

<220>
<223> Primer

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<220>
<223> Primer

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gccatggctc cggtaggtcc agag 24

<210> 3
<211> 19
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tggctaggcc ccaggatag 19

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<220>
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<400> 4
gtccagagat ggccatagc 19

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<211> 18
<212> DNA
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<220>
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<400> 5
ccaggatagg cctcgctg 18

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<400> 6
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<210> 7
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<220>
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<400> 7
gggtagtccc cacctttg 19

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<211> 20
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<220>
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<400> 8
tccaagtcct ggcatctcac 20

<210> 9
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(171)
<223> n = A,T,C or G

<400> 9
gtncacanan gannggncnt gtgaggacac agcnagaagc aagtctntgc atgncnagaa 60
gaacggcctc aacagacacc anncctgcca gcaccttgat cttggcttnt ggcctccaga 120

actgtgaaag antaaagatt ctgttgttta agccagtaca aaataaatag g 171

<210> 10
<211> 294
<212> DNA
<213> Homo sapiens

<400> 10
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tccccagcct gaagagagaa aattctgaga tggctccctt acggattgag agcaggcact 120
gggtaggaac acagccaaga acgattgcag gatgggtcct tccaggacac tgacgtctca 180
gcttgcgcac tgtgagtccc tggacgagtt actccacctc tctgaacctc ctcctcactt 240
gcataatggg aaaaataatg gacataggga gatgaaacaa gaccttggag acca 294

<210> 11
<211> 241
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(241)
<223> n = A,T,C or G

<400> 11
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agccagaaaa caggatacct ggccctaagc atgcactcat ggagcanaag agttttaaat 120
ctgntatgcc acagaagaca gaagataaca tgcttactac acttgtnaag caacatgcag 180
ccagccattt ccagtgcaaa ttatctcatt gcatagtgtg acaactaaag gtcataacca 240
t 241

<210> 12
<211> 197
<212> DNA
<213> Homo sapiens

<400> 12
acaggatgcc tgtaatcatt attcagtgag cagcaacctg cagcagctcc tcctgactgg 60
cagatgggcc tggcggccac ccagaggctg gggacacagc aagaatccag cacagcaccg 120
atcccgattc cctcctcccc aaactacctg agccatggac ctcattttgt ggacaaaatt 180
aaacttgcca ctttcac 197

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<211> 387
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(387)
<223> n = A,T,C or G

<400> 13
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cactgttgtg gacattttaa aatgcaaacg ccttggctgg aagtcagaaa tcgtgttctc 120
tctgctaaac ctggtgtagc atttaacacg cttgaagtgg aggcatctgg tcaccaattt 180
cacagcctgg acagagcaag aaggtgcggc tggcttagga ggcggcctgc cgggggggat 240
cgtctgtcca tctgggcttg gtaaatgtca agggtcattt ccctgtcctg acatttgatt 300
gtgaagcagg ttgcgaggta actctttcaa gggactggac tgtgacagtc accatagttg 360
gacaataaaa cccgaacatc cttcacc 387

<210> 14
<211> 326

<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(326)
<223> n = A,T,C or G

<400> 14
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gacacacaga gccaccctat tgncctactg tcattcaagc ttaaaggaga catatctaca 180
gacagggttt gagcctagtn atggnganaa ctttcttgga tgtctcaaca ncctgganat 240
gannntcccn acaaggcaga anancnaggt ggnacattgn tnntattgct ttttattcaa 300
ttataaaagt aatgcatgct ttttgt 326

<210> 15
<211> 166
<212> DNA
<213> Homo sapiens

<400> 15
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atctgggaca atggagcgtt cagcaccacg gacagcatta caccctcttc aagtgcttgt 120
taaggccatt tgtctatttc actctcaagt aaataaaaat attttt 166

<210> 16
<211> 638
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(638)
<223> n = A,T,C or G

<400> 16
annttnttnt tgngnnanna tctganncca nccagantnn tactctgngg acantncatc 60
atgacnaagt cccactgann acagacattc aagccatcca tgttagangg ganttgatnc 120
cnttgccttt tgcnntgann gnganncttc ngtngccang nnganntgtn gcagntcatc 180
ttgnacgacc tctggctcat tgcatgccta catnatgacc aggttnnagt gattcccgtg 240
cttcngnctc ctgagaagct gggattacgg gcctctgcga gactgtttca tagatgctca 300
agacaccagc aaaccagngc caccgaacaa gtatgagaaa agaacaggct agattatgtt 360
atccagaact tcacaaccat cagatctaga cagaaggagg tggacagtga acacagaaaa 420
gctgtaaggt gtcctgtgac agatgtatgt ggtggacaca gcaggaccca gaggaaggaa 480
gaaagaagct gctcttgaaa agaccctcaa accacgatgc tcaaggaagt gtcgagagat 540
gaaggagagg tgtttgccag gcagagcagt agagacaagt tttcgccatg ttggtcaagc 600
tggtctcaaa cttctaacct nacgtaatcc accccgct 638

<210> 17
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 17
gnaaagagaa aaacaacatt caacancaac ancaatttcc cgaggatccc tgcccacatt 60
canagtgnca catttaccta cttnanaggg gagatnaaag ccncactcta aggctcctta 120
tttccacagg ctggnaagca aacanggcnt acaggctttg cangagtgta tcctaattct 180

cttactgaag aaaagtcaac agcagagaca ncacagaaaa aggaatcaaa gaggccaaat 240
ctgnggactc aaaacaataa gaaaaaataa atcaactttg ctaaaattta agaatgccag 300
gggggtaggt aaatgcactg ggaagtatgt gtggactatg atgataataa atctcctttc 360
aatacaactg atatttatca gaccttgaat aaaacactga atg 403

<210> 18
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

<400> 18
actttctcca agctactcag aagactgaag cagaaggatc acttgaggcc aggagttcaa 60
gatcagcctg agcaacatag ngaaacccta tctctaaaaa tac 103

<210> 19
<211> 333
<212> DNA
<213> Homo sapiens

<400> 19
gatcccatca tgcttctcct gtcaaatctc cttcgtctcc tcacatctgg gacccttttct 60
cagtgtgtcc tggcctttca taacctgcac actcttgaag aggattgcca gcaatgtcgg 120
agagtgaccc gcggtggggg tttgtctgag gcttactcac aattgccgtg ggttatggac 180
ttgtggagag aataccacgt acgcgagtgc cctttcacga catcacgtca gggtgcaggg 240
tattgtcctg acttaccact gtgaagtcac ctttgatcac ttgggcaagg tgaactctgt 300
gcatttctcc aacataaagt tattattttt ccc 333

<210> 20
<211> 92
<212> DNA
<213> Homo sapiens

<400> 20
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ccagcctggg cgacagggca aaaccctgta tc 92

<210> 21
<211> 259
<212> DNA
<213> Homo sapiens

<400> 21
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gatttgagat gtaaataaac tgcggtgata atgccggagt ctcgtcagac gcccagttct 120
cccgccagcc gaggatggga gtgatgatga atggtgccag gcccgctgca taatcttttc 180
tgttttaata ctcgattatc atgtccctca tcttccctgg acccaagact caacacatta 240
aaatctcttt gtttcttcc 259

<210> 22
<211> 270
<212> DNA
<213> Homo sapiens

<400> 22
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acgcactggt gaaagaacac accaacagat gccatccagc tgacaggcca tccaccagtg 120
ccgcagagtt tggacagggc agaaggagag cccagccact gagcagcttg actccagggc 180
aaaaccatct tcctactccg tctcccttct agctccccca tttactgact gctatttcca 240

ctcaataaag tcttgcattg attctccaag 270

<210> 23
<211> 260
<212> DNA
<213> Homo sapiens

<400> 23
gaggaaagtc aagtgcttct tgaattcttc tggtgaccct gaggtgggag gtgagaagag 60
cagtcctggg tggactgtgg cctggcagct accatcattg ccctcttcaa ccacagggtc 120
atcaaggcta ccattgagtg gctgctttat cagtgaagac aacacaggga gaagatctca 180
tcagagggga cttggctatt tcagtgatca aaacatgctc ctaaacatgg ataacatcat 240
taaaagatgc caccttcctg 260

<210> 24
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

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gtagctgaaa cctgggagat ggggactaag ctgggaagct ggactgccct gattgagtgt 120
tgatcttcac ccttgatgga gagagccata ttcttagttg gccctcagct tcatggctaa 180
cnctnggggt taancnttcn nggnttggta angnnaaang ctttggacct ggttttga 238

<210> 25
<211> 209
<212> DNA
<213> Homo sapiens

<400> 25
gtatggaaaa accacaggga gagggagaag ccttgagatc acatggaaga gaactgagga 60
attgagctga caatgagaat tgaggtccca gcctatggtc ccagttgtgt gttccagcca 120
gcatccagtt gtttgaactg cctctatact agtaaacaag taattaatta atacaagtaa 180
atgaaaacaa gtaataaagt aattaatac 209

<210> 26
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 26
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tctgactcct ctccaagttt ttttgcagct tactcaaaag atgaggaagc tgagatccag 120
ccaagttcan atatctagta agtgacagaa cctagatacc aacccaagca tcctgactcc 180
agagccttct tcgctgtacc aaaggcttag gtcactccac ttgtttgttt ctggtcaaac 240
atgtgttgac aattgtgtgg atgcacacct agaatgtttt ggaaagatct gtgaaaatat 300
ggcagtgaca agatttcctt ttccaatatg ttttccacag taaaacacca gacattcatg 360
attcaaccca tgtctgggat tctgcacgat caagtgccct cagtatttta agcttttgga 420
taattcatag ctatcatgtc taaattgttc tgcttgttct aaatttgccc tgcatgtgta 480
cctttcaaga taagttcttt cagctgataa actcctgttt ttaaatgc 528

<210> 27

<211> 317
<212> DNA
<213> Homo sapiens

<400> 27
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ccaacgcagt gcatctcttc aaggcctagg acatagacaa ttccctcttc ctcctccagg 120
ctttttctcc aagctgacgg gatgatgatt gcccagacaa ccttgggagc tgtgtgttga 180
agatgttaga accaccagca gtttgacttt ccagttaatt gcatggagcg gggaccctgt 240
acctttctct gcccactcaa cagaaacacc caccttgaac tattatgtga tatacaaata 300
aactcctttt gtgctcg 317

<210> 28
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 28
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ccagggagtg actggttgtg cagtggtgag caaaacgaag catctgcctt taactcagtg 120
agaggatgac aataaataat catcaaacac atcattgcaa aataggaagt gaaataaaaa 180
gaagagcatg atgaaataga gaataacatg gggttgtgta tggatggaat aattaaagaa 240
ggcaagggga tcctaatgaa tgagaagaag acaaaaatcc tggaagggaa agagctttct 300
tgcagaagga agactatatg caaagacctc aggaaaatga gaaactgaaa gatgggccct 360
gtgactagca tgaagtgggt gaaggagaaa tgatgtgaaa tttaattgga aaaatcacca 420
ggaattanac ctcctacagc catgctgcca agatgcagaa gccacttcat tccttgtgct 480
ta 482

<210> 29
<211> 258
<212> DNA
<213> Homo sapiens

<400> 29
gccccatttc caaatatcat cacaatgaag attagggctt caacatacga attttagagg 60
acacaattca gtccacagca acgatgcata gaagacaagg caatatgaag tgagaacaga 120
ggtatttgaa gctgtcagcc ttcaagactg gagtgatgca gtgacaagcc gaggccacca 180
gaaactggaa gaagcaagga aggatcctct cctggccttc agaactttga cagaataaag 240
ttttttttt taagctgc 258

<210> 30
<211> 179
<212> DNA
<213> Homo sapiens

<400> 30
gtaactgaag atttacatct gtaaatctgg atgggaactg aattcctaca tcatagacag 60
tttcaaggag ggaaggatta tgtgttcagg aaatactctg cattctcaaa actctacatt 120
gttggtgctt agatttgctc tgtgagaacc tactgaaata aaccatttct ctggaagac 179

<210> 31
<211> 138
<212> DNA
<213> Homo sapiens

<400> 31
agacatgttc tcagtgatac ctgggctgcg gtacagtggc aagatgatag ttcaaggcag 60
cctggaactt gggctcaaat gatcctcctg cttcagactt ctgcctcaat gctgattata 120

ataaacatat tctatttc 138

<210> 32
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 32
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agtggggaca aggcccttgc ttgccacatc acgtaaaaat cttacgtgtc tttaatgcac 120
ttcacgtcca ggaacctcag cttcaaagaa aaccaaacgc tcatgcttca tttaattccc 180
cttattcggt cttccaaaga ggtggagaat agctggtgct cactgtccca gacactgaga 240
tggcatttca agattttctc tgcaatctgg tctctgaaca gacttgagcc tttgtctgct 300
ggttcccaac cctggttaca catcagaacc atgtgctcca ggacctcacc tcttggagtc 360
tgangttgag cccaggaaac tctatgtctc catatttcca tccagacacc ctctctnttc 420
atgaaaccct tgnaaatgnc ttactcantc tttanacatg gcttaaacct cacttttt 478

<210> 33
<211> 227
<212> DNA
<213> Homo sapiens

<400> 33
tggctggagc tccagcagcc atcctgtgac cctgagaaca aagccattca ttgaggctaa 60
tgaagcagga agaaggaatc ctgagtcctt gggaaacaag gatctacctg aatagctccg 120
aatgcctact tctagatgtc cttttaggaa gagaagcaca cccttgtgta tttcagccac 180
tgctatttaa ggtttaacct aatcatgata ttattggttt ttcttgg 227

<210> 34
<211> 273
<212> DNA
<213> Homo sapiens

<400> 34
ggcccagctc ctaacatgca ggtgtcacca gagagaaatg caccactgtg cccagcacca 60
tagctctggc tcagagagtt tgcctgagaa agcagcagac agaaaacaga aggtgcgagt 120
tgctcccgaa ggaactgact tcatgtgcaa cagagctcgg agaagtccaa ggctaagcac 180
actctccaga acagtggagg ttgtgctgaa aggcaactgg gaggcgacgg agagcctggg 240
aggtgcgggc tacactggag gccagcaagt ctg 273

<210> 35
<211> 366
<212> DNA
<213> Homo sapiens

<400> 35
ataacagaga gcgcaaacaa cttgttcaag gtcattggac tgaaagtgac agagccagga 60
ctctgtccca catgcaaaga ctccacgcat catgcctatg atactcagag aaagaaggct 120
atcattataa agacctatac ttgatgctag aaattcaaga cgaagcctgg gcaacatagc 180
aaggctctca tctccacgaa aaagaaaaaa aattaaaaat aggcatagtg aagcacactg 240
gtggtagtct tagctactca ggagactaag gtgggaggat ccccgagcca aggagtttga 300
ggctgcagtg agctatgcaa acaccactgc actccaacct gtgcaacaga gaaagacccc 360
gtctct 366

<210> 36
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 36
ctcttgcaca tccctctttg ggtcccgttt gctcagcaag acctttcttc cgactgcacc 60
tctctctcct gctgcagtca ccgnctgagt tgggccaggc agaatctccc caaatactta 120
aatgaaggcc cacttcaggt ttgggcctca ccgcagagct gagatgaaac atgcaaggca 180
ttcgggcccc ttccccttct ggccccagct gaccttccac ccacagcact tacactcaaa 240
taaaagaaaa gtcactccct gc 262

<210> 37
<211> 88
<212> DNA
<213> Homo sapiens

<400> 37
gataacaata cgaagatcca cctgtcttgc tgctgcccaa gaccacactt ccatccacaa 60
gttccccagt aaatcacctg ctaccagc 88

<210> 38
<211> 119
<212> DNA
<213> Homo sapiens

<400> 38
tgaagtttcc agaagctaca tgacacgcgg ttcaattccg attgaatgcg gaaggagata 60
tgacaacctc aacgtcctct attaagccat acattaaaag gacttgcaag atgtaaaat 119

<210> 39
<211> 253
<212> DNA
<213> Homo sapiens

<400> 39
attcctctag caagaaagga agtgaaaaag gaaaaaaaga tctactagca attacaggga 60
agtcaaaatg ggagcaaaat tgcattcatg caaagagctc aaagaagaca actaatcttt 120
gttctaaata caacatggga tcctcacagg tgggcacatt agaaaagacc actgatcaag 180
gaccaatcac tgcagcaagt atgtgagttc cataggtata tctgaatttc aaaaataaaa 240
agatgctctc aat 253

<210> 40
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 40
agatggggtc ttgctgtgtt gcncaggctg gaatgcagtg gctattcaca ggcatgatca 60
ctacatgcta cagcctggaa ttcctgggct caagtgatcc tcctgccttg gactcccaac 120
aaactgggac gacaggtgca cgtgccacca tacccagctt ccaggagagt ttcacgcaca 180
caggacagga tccaaaattg tcctaacttc agaggaagga ttaagaacaa gatttctttt 240
cagcatcttg tgagctctac ttctttttcc cccctgcatg gcatttggca tagtggtagc 300
ctatcctaaa tatcctaatt gatttaaact ccattaaaca ttaaaaac 348

<210> 41
<211> 265
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 41
ttnccggagt gtggatgtga acacgccgtc ttgggtcctg aggtggaagc catgtgtgga 60
agatggaggg catnggttag aaggagtcta gtccctgatg gtcactgagc tgcagaacca 120
gcctgggctg cttcctgctg gatgtcactt actagagagc gaaattaaat gtgcttcagc 180
tactgttact ttgggttttc tgtcatttgt agctgaaata atcctaatca atatgagata 240
tattaagtaa acaaaaatgc aaatg 265

<210> 42
<211> 288
<212> DNA
<213> Homo sapiens

<400> 42
aaaacggcta aagcaagggt ggaaacagcc accaggacgg actggaggtg agctgtgctg 60
cccacagcgc tctgcttact cccatcctgc ctatctctgc acttcagcgg gaactcataa 120
gacacccacc tgctcctgcc cagcacttta tgtattcatg cacaggatgg aagacctcca 180
acaaagcagc attgttgatt tcttagtgtt ctcctcaccc cagagcacat gcccaagtcc 240
cttccaaacc gtaaggactc ttggaaaata aacaaatgaa ccaacccc 288

<210> 43
<211> 192
<212> DNA
<213> Homo sapiens

<400> 43
aattactggg ttaaaattac tgacctatca tcactctgca gagaagccac gtgatacctg 60
aagacattct gtttaccaga agtttccagt ggagaaactt tttcagaagt ctcctattgc 120
aattgacaag tcttgttgtt ctataatgtc attgaatttg taaactatta aagtaatgct 180
ctttttcatt cc 192

<210> 44
<211> 153
<212> DNA
<213> Homo sapiens

<400> 44
aaaatgaagg atggaagcaa aaatggagat ggaacgaatg agaaaaaata gcataagaac 60
accaggtcat cgaggcgaaa gcagtgatat tatctgggaa actggaagaa atccaattgt 120
ggataaagat aaattacaga tgaaaccagt gct 153

<210> 45
<211> 175
<212> DNA
<213> Homo sapiens

<400> 45
ggcaaagatg aaaccacaag agaaagcaga aagcagaaag aaggacaact gctatagact 60
ggatgttggt gtgccttcaa aattatgttg aagcctcatc accagtgtga tgacatttgg 120
atgtggggcc tttgggaggt gaatggtgat gagagtaaag cccgtatgaa tgaac 175

<210> 46
<211> 278
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 46
gntgatgtan acagtaacac caccaccacc actgnancca ctccattcca tctactatct 60
agaaagagca gttctcnaat gggaaatgat gaggtctcat gatgttgtcc aggttggagt 120
gcagtgggct attcacaggc acgatcatag tgcactgcgg actcaaactc ctcggctcan 180
ggaatcctnt ngccttagcc tcctgagtag ctgagactac caaggctgag aaaattattt 240
caagctaggc tggnaaacac acntgtaaat agtatgaa 278

<210> 47
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 47
accagagtga aagacaaatg ngtattactt gggtggctta tgaacagcaa ggaaaaactg 60
actggcaacc gccatggaaa gggtgtgaaa ccgtaaccac gaggactctc acatttacat 120
gttactgact agcgaatgtc taggcctaaa acatctgccc tcttatagct gntttattat 180
tatgtaaaca tggctacaag atttctgaca taaaatagta gatgactcag tgtcttcaaa 240

<210> 48
<211> 306
<212> DNA
<213> Homo sapiens

<400> 48
gtgtcctctt gatggtggcg gcccacactc ctgaccagag ccaatgaaga agagggcaga 60
gcagagggga gaggggctca ggagtaaggc tgcaggaagc aaaggaagtg tcaactcaag 120
agccacaaac aacatcagct gtgcacctgg caaagagcct gtgaatcctt cagaattgct 180
attactaaag gcatccttac agtcaagtct ttgaacaatt tttcagattt atgtcatatg 240
aaaccatggg acagacataa accaaattgt aaaaaataag taaatgaaca acaaaggctt 300
taagag 306

<210> 49
<211> 265
<212> DNA
<213> Homo sapiens

<400> 49
gtggggtctt tcaggatgaa gtcatgggag ctgaacgaat tggcctgaat cccaagaggg 60
gagtgttcag ggcgcgcgtg tccctcggag aggctgaggt aacgctggct ccttcccggg 120
agtccctgaa cgcccggctt tggaatctgc agacagctct tctagcaggg cgttggcacc 180
tactgactaa ccgtgcaatc actcagcagc tgtgatggtt ggtgacatgt ctttcacagc 240
ccaagatagc ctccctagac tgagc 265

<210> 50
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 50
tggggagctc ctgctttgnc aaaactcnna gacgtnantc aanatgcaag aggaccattt 60
cccacatggt tatgcctcca acaaatcagc agcaagcaca cgttgcctaa ccgcccaaac 120
ccctccccac aaaccacctt ggaaaaatcc cggccctcaa attctctggg agactaatct 180
gactgacaat aaaactctgg tctcctgttc agctgccttt gtgcaaatta aagagtttat 240
tgc 243

<210> 51
<211> 181
<212> DNA
<213> Homo sapiens

<400> 51
gtgcaacccc cagcccagga ggagacttga ctcgcctgag gtcagctgga gccaggaaca 60
cctttgtgca acagctgccg tggcccatct gtgagagaca cgtggacccc gtgcctcgaa 120
acaggtcctg ggagtggtgt aggcaccatg atcccctcag aagattcagg gaaaaaaaaa 180
a 181

<210> 52
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 52
gcccctacaa atgcatggac tttgactctn gccagacagg accaagtttg tcaccatctg 60
gcaatcatcg tgaggccgga aggggagact ctcctcagag cacttggtat gatgtccctg 120
tgaagaactt tgtcagctgg gctggcgaag tggtgtgatt tccagtgtag actccacacc 180
tgaggtcctc aagcccagaa ggccctttga ggtctcacta aagaggggct agcagcaaca 240
tgggggagtc cttgggagct ccacgaatca gaatcctggt tctattattt atgaaggata 300
attattaaag taaattcctc tgtctttagg tc 332

<210> 53
<211> 461
<212> DNA
<213> Homo sapiens

<400> 53
tgattccata aatggtcatt ataaaagaaa ctgcagaaat gaaaaaagct gtccatcata 60
attaaaggcc aggttggcac tgatcacaat ctacgtgtac ttcaggatga atacatgacc 120
aacaatcttg tctggctctc ctcctgtgga ttatttgatt gaatgacttt caaagcctgt 180
ctttgttttg tgttgctata aaggaatatc taagactggg taataactta caaaggaaaa 240
aagggtttat ttggctcaca atactcatgt ctggaaaagt tgaagactgg gcatctggtg 300
acggcctcag gctgctccca ctcatggtga aaagcaaagt ggagtgtcat gtgcaagaga 360
tcacatggta ggaggggaag caagagaaag attggggacg tgcccaggtc tttttaacaa 420
ccagttctca aaggacccag cttgacgaga actccttacc c 461

<210> 54
<211> 218
<212> DNA
<213> Homo sapiens

<400> 54
ataaggagga tcgtttgaga ccagcctggg caacaagagt gacacccatc tcagaaaaaa 60
tttcaaaact actcggccat ggtggatgat gcagcagaag gccttgcatc agagggcctt 120
cttgtgaatg cttgtaagcc atcttatacc agatgcaggc ctcttgacct tggactcccc 180
agcctccaaa actaataaat gtcttttctg tataaatt 218

<210> 55

<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 55
ccaaactgaa acncctcaan accagtttct gttatattaa caccttggtg ccggcaatgg 60
atatcagttc gagaactaac cccaggggca aaaggactga catntgaaag cagcggtata 120
taactggtgg ctntaagaat gagtnttatt acgccctctg aagtctagag cccactgaac 180
cctgaaggga gtaagacnga cgaatggaac tgaaaggctc atggcntatt cacatacttc 240
cgctgcttnt ctttgtgcaa gtngccgaag acatgccaca gntgctcgnc gnagtaacaa 300
atgggaacta cataagtgaa cctgtaaatc ataacaatgt taggcgatnt ctctttaaaa 360
agctgtaatt ctttaatctt atttgcccaa tgaatatata tatacataca tacatatata 420
tggtttgctt tgnttttttt ttttaaaana nagatttnnc ntttttnccc aaactggacc 480
canaggggng atttnaaatn acttggnanc tccgcctttt ggttttaaaa naatttttg 540
ccccgggcnc ccaanangcn gggattacag ggggntgccn ccccacncgg gggaaaaatt 600
tggntnttta anaagggggn ggggttttcc ccc 633

<210> 56
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 56
ggaccaggct aaaggaacag acaccacttt cagacgtggg ttctcaagga gagttggagc 60
tcaagtgggg acaaggccct tgcttgccac atcacgtaaa aatcttacgt gtctttaatg 120
cacttcacgt ccaggaacct cagcttcaaa gaaaaccaaa cgctcatgct tcatttaatt 180
ccccttattc ggtcttccaa agaggtggag aatagctggt gctcactgtc ccagacactg 240
agatggcatt tcaagatttt ctctgcaatc tggtctctga acagacttga gcctttgtct 300
gctggttccc aaccctggtt acacatcaga accatgtgct ccaggacctc acctcttgga 360
gtctgaggtt gagcccagga aactctatgt ctccatattt ccatccagac accctctctc 420
ttcatgaaac ccttgtaaat gtcttactca ttctttagac atggcttaaa cctcagctcc 480
tccaagaagt cttncaagat tcaccagatg aaatgtatgg ccatttcttc tacattcccc 540
acagaacccn ggtttgaact ttacaggctt aaacttattt ctatgactcg ctncactatg 600
cattnccgct tctatattcc taacacctgg ccagaaaagg gctaaaaatt 650

<210> 57
<211> 196
<212> DNA
<213> Homo sapiens

<400> 57
gtgtttttca acgaagtgct aaatttttcc tggctgattc caagaggaaa ccttcaggtc 60
atatgtgagt ctccccacca ctagaactct taagtggctg ctgttatgga aggtcaggct 120
cataatcacc gcatattaag tccttaacag caatgtctgg ctcttcatta atctgtaaac 180
ttactgattt accgag 196

<210> 58
<211> 415
<212> DNA
<213> Homo sapiens

<400> 58
ctgggattcc cgcaactgcc agtggtccat ggtaccctca tccgcccaca ccctcaagga 60

tccagtgtcc cacttgcggc agccctgtgg ctttgcctgc acagctgaga cctcgaaacc 120
cagctatgtg gctccacacc agacctacct ttcttccctc tgtggcctgg actttccaga 180
gaacacaagc aacaagaaga tcacaaccct aaggagggtt gcaactgaga aggtggccct 240
tcctgcagct gccaggctgt tatctgcaca gagcattgca gcgtgagcca cctcagagat 300
ggcagggcca gagcctaaaa aagcagcatt ggcacagccg cagggatgga tttgaggagc 360
cctggaatac tcccccaaaa atgccgcagt tagaatacac agcgtatcca ccagt 415

<210> 59
<211> 177
<212> DNA
<213> Homo sapiens

<400> 59
gttttatgtg catttctctt cacccaacta gaagacagaa gaaaaacagc tacacaggct 60
tactgttctc tctcgagcac ttgcaacaac tgtttggaat ggcaacatag atgcattgag 120
taataaagtc acaacttgct gccaatcatt ttgggctaaa taaagctaac attccag 177

<210> 60
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 60
aaaaaacgtt gttttaggag tcggcatggt aacagggcca attcttttag agccaccaag 60
cttctccctg cagtcatcct gcccatggct gttgatggcc ctgatggggc ttggagcccc 120
canaatgtgc agaanttgga caaaggtggt cttcaaatgc aatggttgtn ttatnaccga 180
aagcccacgg natccagagg aggccctttn ctncgaagtt tacagagagc acaggtctct 240
gtacgtccca agtttccccc gctgccaaat gcaggggagg agagaattct ggaagcccac 300
cctgtcccat ggctcccctg gcacatggag ccactgaatg tcttgtgaac attaaacaaa 360
tgcttccaag tg 372

<210> 61
<211> 120
<212> DNA
<213> Homo sapiens

<400> 61
ggcctcctct cccctgcccg caatgccatg cgagctgacc ttggacctgc gacccttgcc 60
ttcatctgtg ccgagaccta cacaaacagt gatgaagcat cgcagccgga ggtgggagag 120

<210> 62
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 62
cttctgttaa gctacaatgn nttnaaannt tngtgncttt ntttaccgcc caantnaaan 60
gnttttttt gcatgatcaa gcctttcctg atgcccttgg tgagagggga gctcccctcc 120
cctcagctct ggccacagtg tatccggatg gccactgtcc cactgcagca cgtgggcttg 180
ttagctgtga tggctcctgg agggctgagg ccacgttcaa tgctgtgtct aattcagctt 240
tgtatcccca acatctcacg cagtacataa aacagaataa acacttttgt ttataaatg 299

<210> 63
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 63
caaancngna atngaaaagg nnnngtccng ccnttgggga natcttntaa aattcagtga 60
annaaangac gaanctacca ttaattttac catccagact gcaccaaaat gttaacaata 120
ctgtnttctc tcctattaat aaacctgtac ttatatttta taaaattggg agcatatttc 180
atacttttat aacttgtgtt tttcatgtat atcatgaaca ttttccaaga ttgttaaata 240
ctctgaaaac atgattttta atagtaatat taaatatttg nnatattcct tttgatagtc 300
cactatttat cctacatgat ctataacata agtataaata aaaacatttt accttcat 358

<210> 64
<211> 195
<212> DNA
<213> Homo sapiens

<400> 64
acatggtgcc cttaagcagt gcgcagcctg tataattaca caaaggaagg ctggaaaacc 60
agaatgttaa aagcccaaga agaagagtag ctccaaagat ccaggaagca gagcaccatc 120
accaggataa atgaatttca actatattga atcactgcat tgttccattc aagatataaa 180
ttccagagag aaagc 195

<210> 65
<211> 323
<212> DNA
<213> Homo sapiens

<400> 65
aaattccagg gactaatatt gagatgaacc aggcatgaga ccaagctgca aaattccaga 60
aatgacctcc aggttgttag tctacaaccc agccatcgtc aagataacat tagactgcgt 120
tccaggtgga ccatgactca agatagccac cagaccaagg cacggacacc tagcacccag 180
caccactcct gcatgccccc cactctaagt tccccctttat aaacacctct ccacagtcga 240
aagtttgaaa tcgtctttta agggcatgag cttggccatt cccagatctt ggcatttgaa 300
taaagtagct ctctgttcat cac 323

<210> 66
<211> 175
<212> DNA
<213> Homo sapiens

<400> 66
gaatgagagg gagaagaaag aaagggagcc tagacagccg agataagcca agaggaggga 60
agtggagaaa ggaacactct ctcagtatgt caggcatttg gtacagaatc agagtcccaa 120
atgggcacat ttgcttggcc aagcttaagt cacaggcttt tctaactgcc aaagg 175

<210> 67
<211> 243
<212> DNA
<213> Homo sapiens

<400> 67
cctgacttcc cagacacctg aagtgtgggg ccacactgtc aagtcgcccc ttgtcaccat 60
gactgggatg tatatcacag atctgcttca tcgcagcaca gtctggaagg aagcctggga 120
ttccagggct gggagagacc tcgagagaca gtcaagctca tcacttcaac tgcaggcaga 180
gaaatgcaaa tataagagct gattcctaag gtttcttcaa tgaataaaat tatacaaatg 240
tct 243

<210> 68
<211> 179
<212> DNA
<213> Homo sapiens

<400> 68
ctggaatgtt aagttgagaa tttttcagca tctccctgtc tgccagatcc tatctgagat 60
gcctacgcta agaagccaac acagagacac gcaatgcaca ctatcagcag gagtggcttg 120
gaaattctga cttgtattga ttgagacacc ttcccacgaa gaaagatggg attagtaat 179

<210> 69
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 69
ggcagcaaac aagagctctg aaaggggaag gaagccagga gaaagccagc tccattagtc 60
acgcagcagc atatcctgtc acaaaggacc ccagttgagt aatcgcccaa aatatgcctg 120
ttatttttt ctgtcagaaa aaaaangggg cctgccaaaa 160

<210> 70
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = A,T,C or G

<400> 70
ctttcaacaa atgacacctc tcctctgctt caacttcttc aagactttcc acacagtggg 60
agccccagag tgtgagtata agctgtgttt atcttgcagg ttcaagcaaa tcctactgtg 120
gtggggcaga ggaccttgag aaattgaagt tcttggaaaa taactcatct tcaacctaag 180
ggattagggc acctgagctt cgtctgaaaa gattgagcct gctggattga tcagcaattt 240
ccacatcagc aggaaatgtg ctgaccttac tttttctaag catttgcaga aaactggtga 300
agaaaaaaaa gggggnntnn tttncnttna tnncccnntt caaatttttn aanannacna 360
agggngaatn ganagttggg ggttncaaaa ccaaaggnnt tgccaaactg ggnttggggg 420
aaatttttgc agncaaaccc aaaagcctgg naaggcctaa aaaatttagc gnggngcccn 480
cccnnnganc ggcaacntna aanaanggcc ttngttcctt ncccccccc ngnnccgttt 540
aaaaaaaacc cgnggggttt tnaanngttt nnttgccccc caaaa 585

<210> 71
<211> 630
<212> DNA
<213> Homo sapiens

<400> 71
accaagagag ttctctgcca tgaaaagaaa atctgaggtg aagctgaagt tgacaaagtt 60
caatctgaac ttaagaccaa ggacacacaa catgagcact tactttgaca gttctgacat 120
ttcttcatca taaattctct tcctatcaga caattcatcc ggcaaatatc gaaatattaa 180
ttcttcggcc agaacagtta tgttaaagtt tctgcttgcc aataactgta acaaaaaaaa 240
gtcaaatgat actgtatggt aattgattct aaaggacgaa gcttccgagt ggaaaggtga 300
acaaggaggt ggtgggtggg atctctgagc aggtaagaag gaaaagggat ggagagagag 360
gcgggccagc ctgtaacaag agcaggggca gcccctccac tgtgagaaaa ggccaggagg 420
aggcgttcac ctggatgaag gatgaggcaa ctcaatcttg acagcatcta cattttcaac 480
caagtgccat gatgttggtg agaggggagg aagtgaagta gggcatgttg ggagaggaga 540
gacttttgca atgatcagct tggaaagtga agactggact actaaaagaa agaatgtaag 600

aatgattact tatgttttga gtctaaactt 630

<210> 72
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 72
gatatggaca ggagacggaa atactgggta gaaaagggca gttccctggc aaagcctcac 60
cctcaagcct ggatacctgc tgtcttaaac gaaaacgaaa acaggcattt ctgtgttcat 120
gctccaaaag ttatcttttg gcctgccaca ccccctatnc tgccccatat gaatcccgaa 180
ccccatactt caaaagccga ccaacnagcc cccanaccaa canaaggntn gcngaaccat 240
ntngcaaana aaggganaag aggaggaaca tttgaatncc naaatgagtt canctngggg 300
cngtcagana ggagtccanc cnctgggcng ccngaattca agggaggatc ancttttcct 360
ttattccctt tcttttgctt cccantcatt ctngttgaag gcccttcncc ncttcattaa 420
aact 424

<210> 73
<211> 410
<212> DNA
<213> Homo sapiens

<400> 73
gagtaagaag caaagacggg tgtgggcatg tgactagagg gtcctgagga gcagaagatg 60
agttgcatgt gctacgatcg cctgtttgac ttgcaaagca catggctctc actaacatca 120
gtagaatctg aatccatgga acagatcttt gtcaattact attgttatta gttttccttt 180
ttatctgata gttcagattc tgtaccctct tcaggtttcc agaagatttc ttttcctgta 240
aatcttgatg agaggcaaaa cttgcttccc actgtagaag tggaaggctc atttcccagt 300
ctcccttgca gttggggttc agaatatgac tgagctcttc ctggcagatg cacccttcta 360
gtagtgcaaa gaagctgtga ggaggaggaa cattgctgga ggttggcggc 410

<210> 74
<211> 337
<212> DNA
<213> Homo sapiens

<400> 74
acaatgagcc ctgaatcctg ctacatcaga gagaacaaga tctttgcttc attccctgtg 60
gtaattacga ggttagaaag aactcaccag cgaaaatttc tggacctgat gcctttataa 120
acggtggcaa gtgctgctgc atttcatggc ctcagatcaa aatacaacct cattagctgc 180
tgtgaacaca atgttcctgt tgaagaatag aatggaatgg agttaagagt gtagaaggtc 240
tgatgcaaat ttactcctac tcctattgac aaagagtttg aactactgaa tttgtatatg 300
aaagtcaggg catcctattg ttttcagttg tcataag 337

<210> 75
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(150)
<223> n = A,T,C or G

<400> 75
gacgtctggg gagctcctgc attaagtcag aactgagtgt tttttaagca aaaaagaaaa 60
aaggaaaaaa ggggaggaat gaaagagaca gagccggcca ctacctcatc tagcaaatag 120
aagcctacag acacttanng anggncaccc 150

<210> 76
<211> 320
<212> DNA
<213> Homo sapiens

<400> 76
gaaatcgaat gcctgtcttg aattcatgtg aagcacagag gtgccagatc tacagtataa 60
tgaagaacta aggctgcaaa tgcgggaatt gaaagaacca tctttaagga aaggatcacc 120
actccaagat ttaacaaaaa tataaaaaca ccttccgtgt tgcttagtct caaagaaagc 180
ctgcaaatat ggatactgaa taagctttct caaggattct tctaaatcca gtcccatctc 240
tgtgggacgc tcatccctgt tggccatttc catctgaatc actcctcctc ctgagtttaa 300
taaagcacac gccgggcccg 320

<210> 77
<211> 338
<212> DNA
<213> Homo sapiens

<400> 77
ggttctttga gaggaaggtg gaggggagcc atcctaaaat ttgcagcaga gcctggtctc 60
taacacagcc tcagactgtg gatgaagcag atgacctgct cagctttcct tccaacattg 120
ctgtttgagc gcatacagcc ctttccttgt tttgaagacg ctagccagct cagccagaga 180
tgctctttgc caagtctgca gtcttgggat tagagtatgc actttaacaa atcttccttc 240
ttgagcagaa tgtagttggc ttgcttcacc accattcttt cctacctcca aaggctgcca 300
ggcctgctaa atagtgatta aacaaagatt aaaattcc 338

<210> 78
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 78
tcggaattaa atcattgatc ccagaagaaa gggaccacca cagtgctacg gaaaacagga 60
attgtgagaa gttatgggat ccattttagc ttgatttact cacagactcc ttaagcacac 120
ttcataagat gaggaaactg agacactgga agaggaagta acttgcccaa tgtcactcag 180
ccaggaagag gtggaaccca gcattgaaat ccagacagtc taactccaaa acaaataaac 240
aataccacca cacttttatc ttctaggcta tacatttcta atggccaatg aagaaaacna 300
actgaaaaca aaattccttc tttctgntct tgnttattnc taaagggtgg nctttttagct 360
catggtngaa aattaaagta gtaacatggt ttcagt 396

<210> 79
<211> 83
<212> DNA
<213> Homo sapiens

<400> 79
atcttcactg aggtggagga gcagtgcagt ggccaagaga aagatgggat tgacagaggg 60
aaataaaaag aactctgata tgt 83

<210> 80
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(314)
<223> n = A,T,C or G

<400> 80
gtcatttaca acaggaatta aggacaccga aaaaaaatct aaagaaactg agaggtggaa 60
ctgaaaatac agaagcagat ttgtggtttg gaagggagct agncctcatg aaaaacagca 120
acctggcaaa cactattttg gaataccgtc attttcaaaa tatacatata ttttttaagc 180
ataaaactgc atttgaagtg gaaattaacg tatttgtttt tagcacctca gctaagtatt 240
taggatgcaa aaaaaaaatn taaatttttn tggaaaaaga atcattcaaa taaaaaccat 300
taaaggggaa aact 314

<210> 81
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 81
ggacgggggc acgagaaatt ctagccagaa aagtgtgggt cactgacaaa ccgccactct 60
caagccaaaa aacctgaaac cacaggccaa agtgagagct tatatacctg ttttcccact 120
tgaatgctgc tttttcctca accacccctg gccccgccct gcgccatcct gtgcctatta 180
aaaccccaga ctcagctagt acatgggact atggctggac gtggganaaa agcagcttga 240
cttcagaagg acagcttaac agcgtaactt cggagaagaa tctggctgga gatgacctga 300
cttnagggga aggnaatctt cctacccccc tcgatttaca aggtcccttt ccactgngag 360
gccctttttat tttgccataa aa 382

<210> 82
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 82
gtggatgaag ttgggtgctt cctgtacatt gattttgctt ccttctggct caccaagaaa 60
atcaagacca aaaaagtgac tgaaacccaa ttacttgggg aacagatgaa gaggatccca 120
agcaatggtt gagtctcctc catggctcca gaactcacag gatagcccct ttctcgctgg 180
tccatggctc ctgctctgat tttagtatct ggttcctggg atcaaataac atcatctcct 240
ccctccatcc ctccaggact aagggtagca atgatttatt cttctttgca gtctctgagt 300
cacatcagnt cccttgcttg ctttctcaac ttttctatta tctatgg 347

<210> 83
<211> 260
<212> DNA
<213> Homo sapiens

<400> 83
acagagaaac ggaggcacag agaaggaagc ggcagttaaa gctgcgaaga acctaacaaa 60
tttcaagact gtaagtgcct tttcccagga tgccagcaag tactgagcct gtattttgag 120
ctgcatcaaa ccctgttgga ataaaaaagg acatttctag gagatcagtc ttcaagattg 180
gccccagttt ccccagagta ggaagaggca ggaagccaga gcacatgttc tctccagaaa 240
taaagttgtt gcagtggcct 260

<210> 84
<211> 169
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 84
atnctgcaag gngtgngtgn ncttcccanc catggattac aggnaaaaac ttgactgcat 60
gtgatccttt gtagttaata acatgatgat tgtgttttca cactctcgtg tgagatatgc 120
ctcctcaaa tcttggcaca ttacccatct gacattaaaa aaaaacaac 169

<210> 85
<211> 238
<212> DNA
<213> Homo sapiens

<400> 85
cgctgcataa ttgtaccatg agccacgatc ctaagtcaag agacctttct ctcaccagtg 60
cagatgattg ctcctccag gtgtgtagga gggaggatgg catggctttc atcaaaccgt 120
gagctttttc agaacttcca acccaccata aagctcatct gaagaatgtt tgcttttccc 180
tgtcaaatat ttctctgatc caaagtctgt taacaattta aacgtcaaat ccccctct 238

<210> 86
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 86
agtgacatgc ttgaggaaga gtgatgaata atactgagga tgattcaacg tctcttggtt 60
ttacttctgc accacccaaa cagaaaataa ttagacaaga acatttcttt ttctatatca 120
gtgtcataac atgtattatt acagtgcggt gtaaccacat gtcagaagag aatgtgtagc 180
tcaaaacacc gaactaggtg gagaggccga ggccttaatt ctccaagaga ctgggacctg 240
tgctgggttc tagcgcctgt tcagcgtcag aatcatcagc tggctgtgag cctacgtgaa 300
tttttctcca ctcaatctca tcatccttca gacaggcgga gagagcggga tccatctatg 360
agatttctct gctgagaaat ctcctccctc cctccaatga agcaacagca ggtcatatct 420
gaatgcagaa gcatggcctt gtgctgggaa aacacatcct ggctgtagag ctctcaggct 480
tctagagtca aagccaaggg ttcaaatcct ctctgnctta ctcagaagcc acatggtcct 540
gagacagtga aagtaactct gtgaacctca gtttaccaat ctgtaagatg gggatcataa 600
tgtaaaaaga tggcattaaa acttacattg ggaa 634

<210> 87
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 87
caggccttgc ctcatcaagg tcagagcagg gcttcagggg gnttaccntg gatangactt 60
cttnnantng tgnggnncnt gnctaccttt tgagcaagtt cagcctggtt aagtccaagc 120
tgaattggcc aattcttttg cnntttaccc tggaagaaat actcataagc cacctctgtt 180

<210> 88
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 88
gcagtcttag tggtgctaac aatcaagtgg cttgccttgt tctgacctga gtgttcgcca 60
aacactcccc aggctacaac agncgcgctc ccctctgaaa tcaggacaca agaattgaaa 120
gaaactggaa cagatacatc acttacccct ggcatccaga accccagagc atccttccca 180
caaattggtt ataacaaatt accacaaact cagtggctta aaagagcacc aattaggggt 240
ctagcatcca aaatatataa agagctcttt tttcatacat atccatacta tataaagatc 300
tctcacaaca acaaaaagat aaccagccca atttttaaa aaaggtcaaa aaatggaaat 360
ttcctcaata aagatatata gtcaac 386

<210> 89
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = A,T,C or G

<400> 89
ggaaacagaa gactttaaaa aaagaaagga agaaagaaaa agaaaccacc aactctgcaa 60
agttctctgg aatctgagaa gtcaagcagg gcttctgcct tgttcatggt gagcctaaac 120
tgtgatttcg tctctagaca tgacacatca ggcatgcctg gatctggttt ttctgccaag 180
ccttctgaca gtaacgcagg catttgctag tgtatatgga ggaaggctga cttgaagtcc 240
ccagtacatt tcacccagtg agaagaggac aacactgact ccagaaagcc ttttgctgac 300
ctgctctttg aaaccagtgt gcctgccagg aatcctcgcc ctgtgccccg cctacactca 360
tccccaccta ccttgtccac tctgccgcca cagcttcagt caggtcctca tccctttctt 420
cacttcatta ccactaaaga aagcctcctc ctgggtcccc atgctccagt ctggctccct 480
tccgatgcat ctcccctgca gctgtcagtc attgntctaa aatgcaaatc tgaccatgcc 540
actctgctta aaactcttca atgactatgc taacattaaa gatgaagcag attcc 595

<210> 90
<211> 159
<212> DNA
<213> Homo sapiens

<400> 90
gctgtgaaga gctcctgggt tgctgaacaa atggagttgc tgcaaggatg ccatgcctgg 60
agagggcctg gaagccctgt gccacacccc catgccttgc cctatgtaca ttttcatctg 120
catcattggc aacatccttt ataataaacc agtaaaagt 159

<210> 91
<211> 555
<212> DNA
<213> Homo sapiens

<400> 91
gtgctcaatt ttctactaag gttatgtagt atctttataa acagaaaaag aagtattttt 60
aacctttagg aaattctttt ggcttctgga ttttttccag tattttgaag tgtttcctca 120
gaaaagattc gcagaagtaa tattagttca agagctcata agacattgag agaatgaaat 180
aacacccatg taaaagaacc taatctagtg cctgggacat ggcagatgct caaatgttgg 240
atcttaaatg gatgaactgt caagtcatca aaacagggat tcgcttaaag aacatagtgt 300
tctgccttct agctaagaag cattcgatcc acttaactga attgtgaaac tgcaagataa 360
aggataaaga gcgctgaact gggcctccat aaaagtgaac cacagatttg ctcatgagct 420
gtgtgacttt ggaccaatca cattctctgg gcctgtggcc cacaacggat gagtcatgaa 480
catttatctg tatgtctgtc atctccatta gaatatgttc atataggatt atatgtccgt 540
gaagacggga cctgt 555

<210> 92
<211> 322
<212> DNA
<213> Homo sapiens

<400> 92
tttcaggggt aatcttgtga caaaccaggc atggagagct agctgtgaaa ttccagagat 60
gatctcaagg taattagtct acagcccagc cactgctgag atgacaccag cacacgctcc 120
aggtggacca tgactcaaga cggccaccag aacaaggcat accgacctta cactcagcac 180
catgcccgca tgcctccctc tccaagttcc tcttttaagc ccctctcccc agcctaaagt 240
ttgaaatgtt tcttgtaagg aatgagcctg gccatttccc caaccgctgg cttttggaat 300
aaagtcactt tccttttact gc 322

<210> 93
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 93
aaacttggag gctcagaccc tggtttaatg tgtccttctc ttactcctga gttgcaagca 60
gtaataaaag agggtggttc gtgtacagta ctcgatcagc ctattccact agatagattg 120
gtagtcaaaa gtattgaacc actccatgtg tcagtctttg ggctgagaaa tgcttttctt 180
atacaacacg aaaacagata tcgacagtgt atagcagcat tcttattaca agcccaaacg 240
gaaaacatca aaaaaacatg gatggcacaa ataacaactg caatttcttg ctttaccaag 300
agtcaggaaa ccaagaaaat atctttattc acattgcccg cagaatcctc tgaaatttag 360
ggacctaaaa caagtggcat gtctttttag aagattatgg tttaaggtat aatttcattc 420
aaagttttgt aacacttagc tagtgataag ctaggaggaa atttgcattt taaagaagtt 480
tcagaatttg aaattttgag ctaggaaaat cctcagtatg gaggaataat gactgcaaca 540
aatttgaact ctgaggaatt tcttgacaaa tatatactgg catccagatt accttctaat 600
gctttccgtc angtttggna agaggtgtga gtga 634

<210> 94
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 94
gacaagctgt gaaatgccta gattccagag caacagactg tgatccattc ccaacaaccc 60
ctccctaccg tctgccacca gttcccttaa agcaggaatc agagctagac tgactcaact 120
aagaattgtt ttggagaact tggaactcaa cattccanaa agcaagaagc ttgacatagc 180
atcgatgagc ccaagtcaac tatatgaaca aaacaatgtc tcaggagggg cagggtatca 240
cgtcagaaga atcctgagtc cttagatgac cttgtagaaa agagccacaa acttactctg 300
ggctaccttc atacctctga actattatgc agagagaaat aaatg 345

<210> 95
<211> 256
<212> DNA
<213> Homo sapiens

<400> 95
ttcatctggc tctccatgaa tgtcctgctt ttctggaaaa ccttcttgct gtataaccaa 60
gggccagagt atcactacct ccaccagatg ttgggggaac tgtcttgaaa cctatacatt 120
tcagatgggc acccagagag taagacctca cctcgcccct caagttgctt acaatataat 180

ggaaaaacca acaaataaat aattataatt caataaacaa gaaaaggttt cttctaataa 240
acacatgagg tctgat 256

<210> 96
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

<400> 96
agacactgct agcagtcacc tagaggacgc tgcatcccag tcctggccat ctcctctggg 60
tcgctggcct gtgcgcccaa ccacagaagg ccgagggctg ctgcttcctg gggaaggatt 120
ctgggaatga tgagtacctc ttgcttcatg acaataagac aaagaagaat tttgggaaac 180
tgtgtctggg gaaacaaaga aaaaataaaa ttatccttta gtanaaacag aaaaaaaagg 240
c 241

<210> 97
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 97
gngtttngcn aantccagcc tgggaaagct ggcagaggat gcaccgtgtt ttactcacct 60
gagtgnttac aatgctcgtg aggtgcctcc ctgatagtac agaggaatga agaaggaata 120
aacagacctt ctggataatt gcatcagcct tccccactat tccaatgcca tgctaacatt 180
tcaagtagtg tccctttgt cttgccgaga aaaaatcatt tcatgattta ttacactgga 240
ttaaaggcta tgcacactct gg 262

<210> 98
<211> 155
<212> DNA
<213> Homo sapiens

<400> 98
gtgctatcca acatggacgt ctaatcttta tgtaatttct tggagaagaa acacctatca 60
gttggagagt gtgtaaccac tgcagaggaa ctcctacgct ggaatacaag cataggccaa 120
aacctttctt gctcagtaaa actcaatgta gttag 155

<210> 99
<211> 242
<212> DNA
<213> Homo sapiens

<400> 99
gccagctacc tgaggaagtc caactaccct gaaaccacca tgctatgagg gcgcccaaac 60
ctgccaggta gaaaggccac gtggagaagc actgaggtac cagacatgtg agaaaagatg 120
tcttggacct tccagcccag ccccggcacc aactgaacac agggaccagc caacacccca 180
tggaacagaa ttgaactagt caactcatgg aatcttaaga aacaataaat tgttgttatt 240
tt 242

<210> 100
<211> 54
<212> DNA
<213> Homo sapiens

<400> 100
gaatggaaac tgaaagtgga aatcaggaaa aggtaatgga agaagaaagc actg 54

<210> 101
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 101
gtgaaaactg aggnanagag atggacgtgc aggatagaag gngatnnatc naaggacaca 60
ctgctggctn taggccgagt tgcagntaaa atgaaganct ccngattcct ggcctcatcc 120
ctttctcctt ttgnatgtga tttacataca aatntatata gaaaaccaag anaagtttta 180
ttttaaaagn actatcctta ctatgtgtga caaactaaca ttttctattg ttcttttatg 240
aattactagt cacaactcat taaatccatt 270

<210> 102
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(287)
<223> n = A,T,C or G

<400> 102
gcanancaca gnatggtgac actgncctgc ttcatgaaca cagnaaatgt tgctgagaga 60
tcatggcatt ttctctcctg ctgagactaa gctgggcttc taaaccttaa gagaacactc 120
caggaaactt catctaattg ggtttactgt cttggaatca gatgattatt aaaatgcttc 180
caattgtatg tagtatatat gatgtagtat actacatggt tgtgcattat agttaattac 240
atacacacat attttggctg tcaaaagatt ataaattcct atagact 287

<210> 103
<211> 535
<212> DNA
<213> Homo sapiens

<400> 103
tttttcataa aggaaagcag catgctgtat agatgagaga agacatccaa aggaagaaga 60
tgcaagccga aaaaaattca agcctcccat ggcgctttca gaacataccg cagatctcat 120
gtggcacagc ccccagcctg ctttaaaaga gcccatagaa gagaaatcag ttgctgcttg 180
ttgtgtctgg gagaataact aatctcagga ctcttgttca ggtgtcctct tgatggtggc 240
ggcccacact cctgaccaga gccaatgaag aagagggcag agcagagggg agaggggctc 300
aggagtaagg ctgcaggaag caaaggaagt gtcaactcaa gagccacaaa caacatcagc 360
tgtgcacctg gcaaagagcc tgtgaatcct tcagaattgc tattactaaa ggcatcctta 420
cagtcaagtc tttgaacaat ttttcagatt tatgtcatat gaaaccatgg gacagacata 480
aaccaaattg taaaaaataa gtaaataaaa caacaaaggc tttaagagat tttgc 535

<210> 104
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 104
ttcctaggcc cagatgtcca ccctccttca cgagctnaga attgagctcg tatcgccaac 60
atgttttgcg gaaatgctca tatcaacact tggtgaacca ggaagactgt accctcattc 120
ctttntcctg ctgcctgcta ggttgngtta gaaagcttac tctcgagttt tactggcttg 180
cttgtgcttt ttggcatttt caaaattttg tacaatgatc ttcaaaaagc aaaaatacat 240
taatttttt aaaggtagga tccatatgan atnggatctt catcttctaa cactttggag 300
aacagaaaag tggtatttgg agatataatc ttcataagaa ttgnggcncc taataaaaga 360
gccctggaag aggaaagaaa c 381

<210> 105
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G

<400> 105
cagaaactga ggtacacaga agaaaggcca tgtgaggaca cagcgagaag caagtatctg 60
caagtcaana anaaagggct taaaanaacc ccacccttgc cgcaactttg ntctttgctt 120
tctgggcctt ccagaaactg gtggaaaaga agtaaaaatt ctggttggtt taagccc 177

<210> 106
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 106
ggggagctcc tgcattaagn caaaactnac aaaggttggg gnnaaacnct ccactcctgc 60
tttcatacca tttgaagttc agaccagtga gatttccatc agttgggagt ngaagatgcc 120
acaaggacaa gaactgagga tggtttgctc agagctgatt tttagacacc attttccagg 180
gatccctggn gacagaggag cattttttntt gtggttgagt tctgaattaa aaagtgtcgt 240
actat 245

<210> 107
<211> 195
<212> DNA
<213> Homo sapiens

<400> 107
gaatttgccg caccccaggg attggaccca ggtcacaacc aaggaagctg cacaagatct 60
gaagtgttag ccatctcctc tcaaccaaat gcatgtgctg agtcctcata tgctggggtt 120
cttgcaaata acttccatgt agaataaaat gcttattaaa gggtcagtaa taaaatgtgc 180
tgttttgaag cgtac 195

<210> 108
<211> 160
<212> DNA
<213> Homo sapiens

<400> 108
gaaagaaaaa taaacatagt catcagcact atgaaggatt ccaggaagtt tgacatcaga 60
gaatttctca actctaaaat gctggaaacc cctgccctca cgctggaggc cgttttgatg 120
tccccttgtt acttttgagt aaatggaaac atcttttcac 160

<210> 109

<211> 155
<212> DNA
<213> Homo sapiens

<400> 109
gaagctcttg tttgaccttc tgaaaaaaat cttgaagtat ctatgagaac agctattata 60
tgaagcagag attataatag atatggagtt taagttgcag aagaagaaga ctgaattatt 120
aaatgggaca tcagaaaata aaagtctttc ctttt 155

<210> 110
<211> 346
<212> DNA
<213> Homo sapiens

<400> 110
atttcagagg aagttgtcta agatggtgcc aggtcaccag aggtgccaat gcaggacaca 60
ggcaatgccg tcaaggttgt atccggtgag gatgaccaca agcaagccag gctcatagcc 120
taaaggatac acctgaacgt gttcgctgtg aggaatgggc cagaggatta tgtgatgttt 180
catatttttt ccttgggact ttcagatttt tccaagtttt ctgccctgag atgcattact 240
gaacttctgt ttttcctctt actacactgt gaagtaaatg tgtgtgatga gtcactggcc 300
tttgccaggc tgtgatcttc ccaagaatga agtccctatt taattc 346

<210> 111
<211> 275
<212> DNA
<213> Homo sapiens

<400> 111
gtgatgtgac ccagcctgtg gcttccactg ccatccacac acgtcgctgc ctctctccac 60
atcagcatcg caactatctc ctggaagctt tccaagtgct gaactacagt aacctcagcc 120
gaactgctgt tcattcaccc cacaggcttg cccctcctct gcatctttgt gagaacctga 180
gagtcatcct aaactcctcc ttccacctca ctccccacat caaatcgatt accaacttgt 240
gctgatttta tcttcaaata ctctccagaa ttgtc 275

<210> 112
<211> 205
<212> DNA
<213> Homo sapiens

<400> 112
gaggagaaaa gagaaaggaa ccctcccatt catccttccg tatcactact cagaaccaag 60
tacctctgct tctaaactac atcagggagt gcaactccca tggaatcaca ggacaagaag 120
aaatgggaac agatatttaa gttaaatgat ggcaaagaaa tttggaaaag gtaaaaagtc 180
agagaaagag aaaacaatgg tggac 205

<210> 113
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 113
gcaggtcagc tgggaaaagg cgaagggatc ctgagacaat ggtggattgc tccgaacagg 60
agcagcctgt tcgggccgag ctccggttcc ctccgagagc ggtttgcaaa tttctcctaa 120
tgtgggagac tggtgcacca ggccaagtgg cccccactgc cccttctcaa ggcactgtga 180
aaccaaatgg aatttgccac gaaagtggct cccgggggcc ttgagaaggg atcagctgag 240
gaagctgcaa agctggtaac aggagggcac aggccgtggg tggcgaacaa gcaactgctt 300
gtctctgcag agtgatgccg gctcaaaatc gaaccactgg ggcttcaaaa ataaaccaac 360
gctgcctgaa aacacaactt gcagaaaaag aattgttctt gaaatttcta ttgtgaactt 420

ttagggnacc aaacttttga aaaatccaag tttttntgca ntttggccaa ncaaggggc 480
atgaccg 487

<210> 114
<211> 251
<212> DNA
<213> Homo sapiens

<400> 114
actgagggat gtcaagcagg tccccagaag aaaagagatg gcatgcaatg taaagaagac 60
ggctggagct gaatcagcca tctttgacta tggtgttgct ctgagaatgg gatttgcaca 120
aggctaagta acatcataga agtagcccag gtgcctgagg acttcaaaca cccaagcctc 180
cactacagcc tcaatttcct tccttacatt gtttatgtga gaaagcaata aacttctatt 240
ttggttaatg c 251

<210> 115
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(139)
<223> n = A,T,C or G

<400> 115
gngaggncac agcaatcctc cngaggatgc agnngcaaga caccatcttg gaagcagagc 60
agccctgacc agacaccaga tnggncagnc cattgatctt agacttncca gccttnagaa 120
ctatgaaaaa taaattgtt 139

<210> 116
<211> 489
<212> DNA
<213> Homo sapiens

<400> 116
tagacgactg gtctttgctg gcccaaactc tcaaccttgc caagacaaca atggcagatg 60
tttccatatt ggagaggcag ctggggaagg ggatggaagg caagaagaaa tgatagataa 120
attggtctat agtcaagtaa attgccactg tagagacaag agatacaact tgtaacacag 180
ctggcctgga ctgacagaag attcagtaac aatataaaat agcaggaatg atggagctgt 240
aactttgtgt gattcctcaa catctacctg gaataatcaa ccatcttcag gattgcaagc 300
cccaccactc ctgtgttgct ttataatcaa aatgacacac ttgggcagtt tctccaactg 360
cctgataaat tcagttttca aatactaagg tactatatgg catggtgact ttaccattac 420
tccagggtgg gaagtgactt tccactgttt gcggattacc aaagggaata aagcatattt 480
gacagtccc 489

<210> 117
<211> 614
<212> DNA
<213> Homo sapiens

<400> 117
gataaagaaa gttcctctga gattaagact gagaaaggtc ttaaaagcca agactccaaa 60
tggcatcagg aaacccaggc tcttcgaaat atgcagtgaa aaatgaaacc cttgcaagat 120
gagacatttg ataaagaaga aaacatcaaa ttttcttgaa gctttcctct cactgtaact 180
ctgcctcctt ggattgaagc tacagagaag aatgcagcct gcgggtgctc atgcctgagc 240
atcatctcct cttttccacc tgctgagcta tgtctaaata gacatcctct acctttggcc 300
caaaactttc tgttcctgaa tagaaagaac attcttgtca tatcaagagt tctgggatat 360
tctgggagca gtttagagct ttcaatcagt ataaagtttc ttttctcatg aaaagatctt 420
gccacagggg atgagaaaca agctattgag catctaatat atgtgtatac catgctaatc 480
aattgtcata cttcaagtct atttaattaa cagaaacacc ctccaaggaa gtcttatccc 540
ccctcaatta agtagattaa aaataaaccg tcttgggaga agataaggtg actgagctta 600
taagaagagc ccat 614

<210> 118
<211> 134
<212> DNA
<213> Homo sapiens

<400> 118
gtagagaaat ggagccacag atcaaggtca cccagtgagt gagaagcaaa gtctggagct 60
gaggcaagtt tttcaaattc ctcatccaag gctttctctt ggaaagccca aagcttatta 120
aatccttaaa gggc 134

<210> 119
<211> 181
<212> DNA
<213> Homo sapiens

<400> 119
caaaatgaca tgaatgactg aaaaagcatg tggagcacaa gactcaagaa ctaagtgaaa 60
ggactcacac ttcctgattt caagtaaagc tacagcaatc gagacgtggc attgatgtaa 120
gaatagacac atcaatgaat gaaacagaat acatcttcca gaaataaatt cacacaaata 180
t 181

<210> 120
<211> 182
<212> DNA
<213> Homo sapiens

<400> 120
gcttttccaa aatgtgaggc atatggaaaa ttcaggcaac accctgttac ttactcatca 60
cttaagccat gttttggctc agaagatacc aagcaaagct gaatattact gtatttcaga 120
aaggggagta tttcttcagt gctcatcttg ggggtcttca taaaaaatga ttgacagctg 180
ac 182

<210> 121
<211> 424
<212> DNA
<213> Homo sapiens

<400> 121
gtgtaatttc tcagaataat tttactctct gatgaaagga gggaataagg taacgagatg 60
ttccctccct cccttctcac attggacctt gtgtgaggac gggacactgg agctgctgtg 120
gccacctgga ccaagagaat caaggaggag ctgacccaaa ccctgatgct gcaaagccat 180
tggccagcgc tggcattgtc cgcctctgga gtccttgtta caagagaatt ataaactcct 240
gttgttgaga ctttgagacc ccatggcgga gacggagggt ccttccactg cagcacaaag 300
tggggcactt gcagtcacat cgcctgtgtt cacggtggag cggatctact gcccttgtag 360
ggctgatgca ttgcaagggg ctgaacctcc tgcactgtct cctcttggtg tatggagaag 420
gaca 424

<210> 122
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

<400> 122
tgcggaaatg ctctatatca acacttggcg aaccacggaa gacnngcncc ctaattcctt 60
ttctcctgct gtctgctagg ttgagttaga aagcttactc ttcgagatac tactcggctc 120
gctatntgnt tnttgccatt nttcaaaatt tnggtacana ttgattcttc aataaaagct 180
nnaacataca attaaat 197

<210> 123
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 123
atgacaactg gagtctggaa gtacagggaa ggagaaaagc ccagcgcatt tctgaaaagg 60
ggaaggagca tggccctgca gctttntcta gatcctggtt ctncagcatg ganggaaaaa 120
catctcatcc aatcaaaatg caagcc 146

<210> 124
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

<400> 124
gaaacgacna ngccnaatag aaaattttct aaacccccat gaagctagaa aacatggatt 60
agtatgagat gagaaaacca aggctaagag aggacaggag tatctcttct ctacacaaag 120
ccacttgagc ccatttgaaa tgtaactttt gccatggaag aattctacca acacntttgt 180
cgtcatttaa actacccact aaataccttt tctatttttt atactattt 229

<210> 125
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 125
ngcggtgctc caggtgtgaa tggagacgac ttcgagctca ctgtgctgag aaactgcttt 60
tcagagggct tctacagagc ccacagctca tcttctagaa gtcatctata gctactgtca 120
gtttctaggc ttccaaggac acccttcagc ctactgcaat gcagcttctt accctactcc 180
tccatggaca gatgacatcc atttctgaaa tccaggggcc acacttcaat ctatctcatg 240
aggtatctct gcttggtgga caccgatgtt ctcccttcct gaagactctg cttctctgac 300
ttctgtgagc atagcctctt ctggtcactc gttctctggc atagacttct tctctgtggg 360
ctggtagcga acagtggggc cttcagcatc attattgctc aggtcagtac aaaggaccac 420
ataagggagt atgatagtga ggagccaaga tcactccata tctcgagaag agatgatagc 480
agcctggaat ggtttggtgc 500

<210> 126
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 126

actgaggtgg atgcgnccat cttggaagcc atgttaaaga aggcagagcc acaagataga 60
tgcagccggg ttctctaaat caccactggg gagaaaccca cacaccaatg aggaataccc 120
atttttgga ttttaagagc aagaaataaa cttcaattgt gttcagc 167

<210> 127
<211> 63
<212> DNA
<213> Homo sapiens

<400> 127
accttcgggc aaggaccttc acaagggatg cagtacatgc tgttgaagaa gaaaaaaaaa 60
aat 63

<210> 128
<211> 340
<212> DNA
<213> Homo sapiens

<400> 128
cccaagctgt tggccaagga gcttcttgac cttgtggctt ctcacttcaa tctgaaggaa 60
aaggagtact ttggaatagc attcacagat gaaacgggac acttaaactg gcttcagcta 120
gatcgaagag tattggaaca tgacttccct aaaaagtcag gacccgtggt tttatacttt 180
tgtgtcagag gggatgccac ttgaatctcg tgaaacctgg gtagtttatc ccaaatagga 240
gtggtcgaaa cccagcagca aaccacaggc ccatctgcat ttcctgccaa gggaggatac 300
agcttaataa catttcagaa acaataggca tttttctgtc 340

<210> 129
<211> 594
<212> DNA
<213> Homo sapiens

<400> 129
ggaaacagaa gactttaaaa aaagaaagga agaaagaaaa agaaaccacc aactctgcaa 60
agttctctgg aatctgagaa gtcaagcagg gcttctgcct tgttcatggt gagcctaaac 120
tgtgatttcg tctctagaca tgacacatca ggcatgcctg gatctggttt ttctgccaag 180
ccttctgaca gtaacgcagg catttgctag tgtatatgga ggaaggctga cttgaagtcc 240
ccagtacatt tcacccagtg agaagaggac aacactgact ccagaaagcc ttttgctgac 300
ctgctctttg aaaccagtgt gcctgccagg aatcctcgcc ctgtgccccg cctacactca 360
tccccaccta ccttgtccac tctgccgcac agcttcagtc aggtcctcat ccctttcttc 420
acttcattac cactaaagaa agcctcctcc tgggtcccca tgctccagtc tggctccctt 480
ccgatgcatc tcccctgcag ctgtcagtca ttggtctaaa atgcaaatct gaccatgcca 540
ctctgcttaa aactcttcaa tgactatgct aacattaaag atgaagcaga ttcc 594

<210> 130
<211> 152
<212> DNA
<213> Homo sapiens

<400> 130
gctcataggt ggaaggactt gccttgagtc tcagaagaga ctttggactt ttgagtgatg 60
ctggaatgag gtttgtcaaa gatcagcatt cttatacacc aacaacagac agagagccaa 120
atcatgagtg aactcccatt cacagttgct tc 152

<210> 131
<211> 265
<212> DNA
<213> Homo sapiens

<400> 131
cttccaaagt taaatgagat gccagtcaca attcaggatg ccagaggctg gcagacttct 60
ccaagatgga aaaatgaaca tttatcaagc acctgctttg tacacagatg cttactcagg 120
caaatgcgtc acagtgaagc actcacagac atgtacagtc ctccaggaag gtctttcctt 180
accttgaaca aattcagatc cttgccgttc caactgtttc cgtagcttct catttgtttt 240

aatagattct tctaaacgct ttctc 265

<210> 132
<211> 374
<212> DNA
<213> Homo sapiens

<400> 132
ttgatagcaa tgtagaaaca gatatttaga actggagaag cactgctagt ctggtacatg 60
actgagatgg aacagaacaa gaaaattata caaagcagtc agaagaacct gaagaataaa 120
atcagctgga gctactcgtc tcagggaaag cggccttggc tccctcgccc cgagctgccc 180
taggaagcac gttggactga gaggaggcag caccttgacc tcctgtgcat gctcagggcc 240
ctgcatcaga gccttccttc cctccactct ttcttccctt tttctggctt tcttctcttt 300
ctcatcctat aaagaaagta aggtaactta ctaaattaca tacaatcaaa taaagtttaa 360
aacatagcca ggag 374

<210> 133
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 133
atgagaaaac aggctgggca aggngaaatg acaacaaaac cgtactgtaa caaagctgcc 60
taacccacct gcaaatctac aattgagaaa tccatttctg ttgcccctga gatttgtggg 120
gtgtttgtta agtagcaaaa gctgactgat acaagattca aactcaagtt tctttgattc 180
tgtctgcatc accatgctgt ctcactgaac ttacagccct gattcctgtt cctgattccc 240
aagtgtcctg tcctaaaagg agcagagata aatattgnat tcatccattt tctgatgtta 300
taacagaatc ccacactgtt ggtgttctga gtatactgac attccttgac gctagatttt 360
atattggtga ttgcttggtt atcatctctc tcctctatga gantagagga ttttctcttt 420
attcacttta ttcatttata tccataccac ctggatcagg ttctggcaca taataaatgc 480
tcaatggata aaaaag 496

<210> 134
<211> 197
<212> DNA
<213> Homo sapiens

<400> 134
atggagaaac tgagacgcag gaggattaag cacttcccga ggtcacaaca gtgaatgttg 60
gagctgggat gtgaacctga gcagtctggc tgaagagtct gctgtattca ccacacagac 120
gctctacttt tctgacatcc ctcttagagc cacaaagatg ccattccttg ccctcaggaa 180
tgctcaaggt tcccccc 197

<210> 135
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 135
gaaacaaaat cttcagactt gcttccaaag gagaagtttg aaatggaagg gagaaagaga 60
ggaagggagg gacggcaaga aggaaagaag agaggangga agaaagcaat ggcatgccca 120
tgtttctgtg ttgtttttttc ctactacaaa atattaagat attggataat aaaggagcca 180
aatagtgtca catggctcac gtgtgtatc 209

<210> 136
<211> 135
<212> DNA
<213> Homo sapiens

<400> 136
gcttatctcc ctttgtgttt cttggagatt aacctgatgt tactctgaga aggctctgta 60
tgttgccaag ttttgaactc tactgaacgg aaccaaaaat aaaagtctaa gaccaaagtt 120
gcaaaaaaaa aaagg 135

<210> 137
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 137
gtctcagttt gcttcatctc tggaatggag atggtttcct atgtgatcat gaaaatttct 60
cccagctctg aagacctttt attttgtaag aatcattgtg aaggtatggg cttggcaaat 120
gaatggaaag atgagcaatg ggagaggaaa gaattgaagg gggctgtgag gtttgaagaa 180
tggcatcccc catgaagtgg cgctgaaaga tcacgatagc acagttccgt gatgtgaaat 240
accacaagtc tgcaattttt cggtcttgag agtgtcgctg ggctgagagg atggaaatct 300
ttcagtaatt ataccagttt gtattcgtct cacatttggg accaaataca aatccgatcc 360
actctttctc cctgtgaata ttcataaaaa accnaagtgc caatttctgg tctaatcatg 420
tatggaacca aatatgttna tgaagcctaa gtatatactg g 461

<210> 138
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 138
gcattaagct agaacntgag gaaagagaca ngctntggcc tgaactcaaa acttagaaga 60
catgagacac agagagggaa tgaaagccac agagagagaa aatgaatctc aagaggagga 120
caggactgta ataagcgaca tcatgaagtt agaatcttcc agcagaagac tgaaatactg 180
taactgacag taactgacca tctggaacac tataaatgtc ttctttactt cttactttgt 240
ttatttgttt gcttgcttgc tttaaaaaaa aaaagtaaa 279

<210> 139
<211> 249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 139
gngatgacct caagaggact cctgaattaa tgtctgtaca gtaacttctc agagtctggt 60
taccagtttc ctcagctctt ccggcacatg gaccatgatg gctgccccca gatggtgcct 120
tcagctcccc agtcaccatc actgtggtat atgctgttgg tatctcaccc cgatgccttt 180
actgggctga tgtccttatc ttgcagctgc tgtgggtgtc agttaataac agctcatatg 240
tgtaccctt 249

<210> 140
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 140
gtgtttttca acgaagtgct aaatttttcc tggctgattc caagaggaaa ccttcaggta 60
catatgtgag tctccccacc actagaactc ttaagtggct gctgttatgg aaggtcaggc 120
tcataatcac tgcatattaa gtccttaaca gcaatgtctg gctcttcatt aatctgtaaa 180
cttactgatt taccgagaga tgtctttgtt tttctcggcg ttttttcatc tacttctcac 240
cctggtgcca acgcaatttc cagaaaatga aacaatgatt agtttatgct attgcatatt 300
aagtttggtt ttctctgtat ttacattgca tgtttcaaag gttgacttaa tcagctgtga 360
gttgttatgc agttagtcag agtggaattc ccacagattt tttcccccaa tgtatcacat 420
aacaataaga gagctagaca caccttgtgt agttttaaca agtcttcgca gttttactta 480
atttgnttcc cttccctttt acccctgagg ctcccaaagc aaatgaacca ttcaggagca 540
taaaacaagg ggaattagtt tagacttcaa taaaacacag acctcttgct tgc 593

<210> 141
<211> 206
<212> DNA
<213> Homo sapiens

<400> 141
tgaagagaat gggagatgca acatgaggtc ctggagcagg cagactttgg aagctgacaa 60
ccctgagctt gcctttgggg tctgtgagtt tgtggagaaa gactctccat ctctgatcct 120
ctggtgtttc ctctcctgta aaaagggaac cgtggtgcct ctctcgaaag ccaatttcaa 180
gcactgaaat aaaccaatgg gcttag 206

<210> 142
<211> 34
<212> DNA
<213> Homo sapiens

<400> 142
tgagccgaga ttgtgccact gcactccagc ctgg 34

<210> 143
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 143
ccggcacacn aacaagctgc ttgggagtca agaggaagac atcggcagaa gancacacag 60
cggctggnca tcgngaggnc attgggagga gcacaccagc agaagaacac accagcngac 120
nctggnaagt cnacccgcan aacaacggna agnttggcca gggtagttgg aggacagncc 180
agccgctggg tggcccaact ccaggggaaa accaccanct tnccactnca tccccgtnct 240
gtcctcccca tccaccttgc tgagagctnc ttccactcaa taaaaccttg 290

<210> 144
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 144
tgatgaagaa tgattttata caatgaaaga aacaagtcat tgttttcttc atccatggca 60
atattctccc tgtctttcaa gaaagattga aaangtcttt cagattgtag taatttgaaa 120
agttgtaaaa gattgtaaaa tagaggcata tttatcagat ttgggggaat aaatttttt 180
tgaaaaagc 189

<210> 145
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

<400> 145
tgaagggtca aagccaattn nagaaatttt ttcaagggct ttgtaaaaaa aaagtgggaa 60
tttttgggaa acccaaggtc tttcngcctt naggggggga agcatcttgt tgggaaggtt 120
ccttaaggtt natttgggat ccctcanttc caanagaagg gggccctggc tccaataccc 180
ccagaaaggg aaaggggaaa atgcttgcca ccaggaggna gggccccaaa taaaggaaat 240
tcttaaggaa cangggggct tgggcttcaa gtatttcccc ccgggcccct ngtngaagcc 300
aattttagaa ttcaaccccc ccttttttn gntcccaaaa tcaacctttt tttnttacca 360
ccaagcctgg gtccccatta ccttttcaaa aacccctngg attcaattta aaaaaantgg 420
ggggccaggc ggggccttct tgggaattct ttttgggggg tcctttcaat tttcttggna 480
aangtcctcc ccaattgngt nancaantaa caaaaccttc tttggaatca aaaaaaaaac 540
caatttnggg gaatnggccc tttttccctt 570

<210> 146
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 146
tcctgtggaa caggttngca cacacaggga aatctcaacc atttatgaaa taaacctgca 60
agcagggatt ggaccacccg gggatcctct ttntctccct cccaaatgcc ttgcaggtgg 120
gatatcttgg ggactaccat tatgccagtg ggggaaggaa gcttgggaag gggaagcctg 180
gtttaccaaa accctcaagc ccatttaagc catcccccaa gctcttgttc ttttttggag 240
gaaaaggaat ggacctggaa gnaaggggaa aagggtgggg tattttggag gaaaaaaacc 300
aaaaaagcca ttcccaagcc cttttgtnga aaaggcctgg aagccccttn aaaggggtcc 360
ccccttcttc ccaagccccc ttgggcttgg acccccccagg aaccccttcn gtttttcttt 420
tcttcttggg cattnccaaa ctttccaaan gggaatttgg ggccctngnt tttcccccctt 480
tttnaacctt aattaggcct aacccaactt cnangctttc aactttcgcc ttggaaaaga 540
aaagggcaag gaagccccaa ncggcccttt ccttgggggn accaaggttt tccccttttc 600
nggctttacc cttaaaaggg gcaaaggncg gaaatnggaa gttctttttt tttcaattcg 660
gnaaaatggg aggctnggna atttttnccc cttcacntta tngggnaaca aaaccaaggg 720
ggggccttta aancaaaant tttaaattaa aaaatantgg cctccaaccg 770

<210> 147
<211> 449
<212> DNA
<213> Homo sapiens

<400> 147
gaacaaagat tgattctctg gcacacaggt ttcagacaag caactgttgg attagagcat 60
acagggacat atattgtcct actgcccccc gtggttagta cgatttgtct gactagctag 120
ttattaatag ttgtcccctt ctcctaccac ttcaagccca cttcaaccag ctccttccaa 180
atgctcaaga gaagacttca gaagaaattc aaagttttca aaatgatgtt ggattgaaag 240
ttctgatgat gttctataaa ccaagagttt gcaaactgtg gccaaatcct gctcaccctc 300
tgattgtgta tagccccaag ctaagaatgg tttttacatt ttaaagtagc tggaaaatat 360
caaaagaaga gtaataatat ttttgtgaca catgaaaatt catgaaaatt caaacttcag 420
tgtcccgtaa ataaagctta ctgaaacag 449

<210> 148
<211> 256
<212> DNA
<213> Homo sapiens

<400> 148
gaaagtagta gatcatccaa aaaggcgatt tggtatcccc atggatcgga ttggtagaaa 60
ccggctttca aattccagag gctaattgac tccaattatg caacttcctt gggtgaaatg 120
tcacagcaat atggaagatg cttcactgaa gttattcaca cttcttaatg attaaacttt 180
taaggaactg accttctgca aatcctttcc aaagcttgaa cttcagtcca tcacattaca 240
gcattgttac agcttc 256

<210> 149
<211> 393
<212> DNA
<213> Homo sapiens

<400> 149
ggaatctcat caaacaacca gggaggatca accaccagag aaaagaagag actgggagtc 60
atcaccatgt ccccaacaga attttcatct atccttctga ggacagttcc aagtgattac 120
ctagaggact ttgcttcata ataagtcaac cttcattcct gtgcagcccc acctctcacc 180
ttcccaaaat gtctgcctcc catcttctgg gtccattcat tctctcaaat gatttgctgc 240
ccctcaaaag aattttccac gttcctcatc tctcccctcc cctgggaaaa agcatatata 300
agcttctata ccaccctggg ttattgggta atcattctcc agcaattctc ccatcctgtg 360
cacatcaaat aaattctgta tgcgttttct ttt 393

<210> 150
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 150
aaattagttg ataacgtctt ccaggagacc tacggccatc ctactgatat gaaccagatc 60
atacctgccc tgatgggatg ccagagaaag actgctgcaa ggtacgcgcc actcacagac 120
ctctccattt atctcactga tgcaaaggac cctgagtagg gatcctctgg aaacagaaca 180
gagggaagaa gataccttcc ctgaagccca gatgttccag aagcctgcgc ctcattcaca 240
aagtcacccc aaaaatgccc tagagtttgg agttttgaag aagcgggaag aaggcctgag 300
taagggcctg ggaaccaagt tagatcctac ttcagcatca gcacatgcca gcgatggtgc 360
acacaggtgg agagcggcct gcccgtcttt tccatggngc ccacagaccc atttaggatg 420
aaagancana aaatttttt ccntgtaccg gntntggaac caggggaaat ttatatttgg 480
ggcccttg 488

<210> 151
<211> 443
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 151
atcctattgt ctccatcaaa ggaaaataag caaactgaag tgctagccca ccagctctgt 60
ccagtcccaa caagcaaggg ccttcctctg atgtcagaga cctcaggttg caagaaatgc 120
gaagggattc gaaggggcat gctacaacct aaatggaatt cctttaaaaa gcactgtgca 180
gcagaaaaga caagtatagt ggctatttaa tcatcttcac tatgaagtgc caattcttta 240
gagtcttatg acattcatga atgatgcagg aggcggacat gatgaatgca gagcaattcc 300
ctgcgacaga tactttcagg gaatttatgc cccctccccc aagaacaaaa gggctcctgg 360
gctcagttat catttgttct gcgagagaat ttacagtctt ttcagcaact tcntttaccc 420
tactcataaa gcgcttattt tga 443

<210> 152
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 152
atttgcgaag agtgggaaag tgagcattga gcatactgga aataccaaac gcagacgccc 60
tgggatgagg gtccgcttgg cgagcccagc aagagcaata aggcctgagt ggtggaagtg 120
gggtatgcaa gaacgtatca ttcttgttgc ttttacctgc tgcttaataa cacgcatgta 180
ctgtctggca ggaaataaag agattacgtt tcaaaaaaaa aagggccagn gnggccantt 240
cagttngnan ttanccaggn tgaacttgnt naaanggggg ggactaccca 290

<210> 153
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 153
ggtacctggc acaagtttct ctggattaag gcatagaatg gtgtggatga tatgccaaaa 60
atctaggaac tctctctcct ccagctggaa agaagaagca tttattacct cacagtttct 120
atgactaaag aatccgggag tggcttagct gggtgacctg gatcacggtc tctcaggacg 180
ctgcaatcaa gatgttggct gaggccatgg tcatctcaag gctcagtttg gggaggatcc 240
acttctaatc aaaatcacaa ggaaacctga tggcatggta cctagtttcc ccaagagcaa 300
gcaatccaag aggatgagac aaagaattta agactgaagc cacagtcttt tatcatttca 360
tcctgttaga gttatcctat cagttttgaa gtctcantgg ttttagaacc agtcagtaag 420
tcacccacac tcatatgagg gataccaagg tataatgccg gagcagattg tgaagcctct 480
ggagctgctt ccatggctgt atgatctg 508

<210> 154
<211> 81
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(81)
<223> n = A,T,C or G

<400> 154

agacgctggg gagctcntga ataaaaaaan aactgngtna tgggacgcat ngacccanaa 60
agcagacctg ggcccacaac t 81

<210> 155
<211> 416
<212> DNA
<213> Homo sapiens

<400> 155
gacgtttgag gctcctggca atgaggatct tcctacaatg ggtgcaacaa attcctgggc 60
cttccagagg ttctggatgc aaattaagtt gcttctcagc ttcccccact gctggctgat 120
ggttgagatt tcctgcatct tccagaagca aaatatgctg aaattcaaga actgggcatg 180
aatgactgtg tcactcgcca gagctgagcc acctccaagc agtgagccag gccaatcatg 240
tgaggccctg ccaccttcag acagtgtcct gtcccccttc accaggaaca aacagaggac 300
ggcctgtcgc ctctcagctc cctgcctgcc tcagactttc acatactctt tatcaagttt 360
tacagagctt ttctgactct gtaacaaaca gtcaaataaa aatgctggtg ttcccc 416

<210> 156
<211> 403
<212> DNA
<213> Homo sapiens

<400> 156
cacattggat caaataatat cagaagctct cccatctgtg atctgtctat agccttacca 60
ttagaagcct caccagagcc aggcagctgc agaagcctct tttaaaaatg gtttagaatg 120
atgactggac ttggcagcaa cttgctttgg aagcaccaaa caaaaagtgc tatctggtgg 180
ttgatttgat taactgcaat ctagacatcc attttgtgga ccgtattcac ataagcaagc 240
agctgcaatc caggcctctg tttggggttg ctgagctgag ccaagacatt cactcttcaa 300
caacaaaggc atgttgggag cagccaggag cagttctggc gcttgggagt gaaggaatgt 360
tctgcctaat gagtgccaga tgaaataaaa tctttgatat att 403

<210> 157
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> n = A,T,C or G

<400> 157
gngcacattn anganccaaa gncatgactg actccccgna tttcacacct cantnttaaa 60
gngganaant atctgaacta aaagctgaac tcaacaatga aaag 104

<210> 158
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 158
gctgcggggc accagctaaa ctctctggga agtttgcagg aggcacagat acagccttaa 60
ccttgacgag tcttccatca gagacatttc aagatgcagt atgaaaacta aaaggctctg 120
ctctaacaga actttctgcc cagccataac acaaagatat caagaagaaa ataacaaaat 180
actgtcataa gaaaatgtaa cacaaataaa gatacagtac tccaaagtac cgaggatgcc 240
aattataact taccaatata acttcaggat aaactctgac atctcctttg tgcaggagct 300
gctattaaca tcaccaggaa gctggagacc ccctctccat tgagcaagat gcaaatgttt 360
aggggaaagg tgagaaagga ggatgtctct gcaggaaccc aagtcaccat gctgtggtgt 420

ggtcaaacca gtgactctca ccatgtaggc agccagtggc tgggggatgg ctgctgctgg 480
tgtgatgacc cctcctcata aatttaaact taaaagacca tctttgatgg tcacaagctg 540
tgtgatctct gctcaccacc ttgttctgat catttcccaa gtgagaacca cgaataatat 600
ttcactncta tgatctttat atncaccacc aaggat 636

<210> 159
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 159
aggaactcaa tttttattca gcactgacta cttggcaagc atcattaaat gctgtatctc 60
aatggattct ctcattatag ctgtccatac tgnggaggtt tacaggaaaa ttctacaaat 120
gccaacaact ggtcaaatat agctggatac attatctgca tgttttctgg tcctacacaa 180
atggcctata aaagcaaaat aagaacatta gaatgcataa tctgaactcc attaagttct 240
ttactgtgta tatatttgtt taaccacaga atcttaaaaa ctgtcttatt ttatgtatta 300
taccatcttt tctgagccct aaaggacaca aactatttta aactgttata gaataaagta 360
taggctgaaa ctgttaatca gct 383

<210> 160
<211> 162
<212> DNA
<213> Homo sapiens

<400> 160
atgcaacgcc aggagcagca tcagccacgc tgtaaacaag ggggaaacgc caagcgcatt 60
acagaggacg tcagccctgc catcactggg ctggggaaac aatgccagct atggctggtc 120
tccgggttca cagtgataag ggaaataaac ccttatttgt ct 162

<210> 161
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(276)
<223> n = A,T,C or G

<400> 161
caggcncaca aacaagcngc tgggagtcaa gaggaagaca tcggcagaan aacacacagc 60
ggctggncat cgngaggaca ttgngaggag cncaccagca gaagaacaca ccagcngaca 120
ctggnaagtc nacccgnana acaacggnaa gnttggncag ggtagttgga ggacagncca 180
gccgntgggt ggcccaactn caggggaaaa ccaccanctt ncnacttcat ccccgttctg 240
tcctccccat ccaccttgct gngagctact tccact 276

<210> 162
<211> 284
<212> DNA
<213> Homo sapiens

<400> 162
gtaccctaca aacatcatca gcccatcagc tgtgtgccac aggaaggctg ggaagcacgg 60
ggtgtacaga aaacaagcaa ggaagagaaa aggcactgaa gcagaactgg tgaatcaaca 120
gtgcctgtta aattggcaaa tcctgaaaca ctcaacaaga accttggctc cagaggggac 180
aacacaggtc ataaaacttc cagggccact gacctcatta tgtgactaca aaggtttatc 240
atttagtcca aaattgtgga ttaaaaataa attaaatgcc atgt 284

<210> 163
<211> 209
<212> DNA
<213> Homo sapiens

<400> 163
ataatgcaag ttctgaagtt ctgaatgaaa aaaattaagt gatatttact attctacagc 60
gacttgttga ggtgctaagg aaagccatgc gatgccacgc ctggcaacaa acccacactg 120
cttcaacttc ctgtgaagaa agccctacca tgatccccac ccacattatt tattttgacg 180
acccaaacaa ataagaaaat gtagccagg 209

<210> 164
<211> 184
<212> DNA
<213> Homo sapiens

<400> 164
cacttggcgc tgctgacgta cagagcaagc aaagccgctg aagttcaaaa cctgcactga 60
atctatctca aacaaagaat gccaggaccc actgcagtga cccctaggat gaagacatgg 120
aatctgttat tatgcaatgt cacttaagta tgtcttttat attaataaaa aagttcgtct 180
tggt 184

<210> 165
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 165
gaaagaacat caaggctcag ggtggtggga ctctacttcc ataagagcaa tgatccattg 60
ggtgaccagc acggattgtc ccacagcccc cgatggaaac attcagaggt gaatgccttg 120
ctcagagccc cctggccagg ctgaggaggg aaaaattctg ctttccaact ctggcaagaa 180
attgctgcat ccagaggctg cagaagccca cgaggagcat gaagatgcgt gggaagaata 240
ggcgctgcct tgagtgacat cctgagccag acccttacac acacagcttt cattgttggc 300
ttttgtgttt ttttttttt ttaangnaaa aaaaaaatcc c 341

<210> 166
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 166
agtcctgcat taagtcgact gaggtggata atgaagtgaa aggaagcaga agagagtgtt 60
atagttggaa aggtgggaaa tcacccccctc catgctgaag ggaagatttc aggttccaaa 120
tgacacgttt ccctcagaat gacttttgct gtagtgacca tggatatctt tgctgtgttc 180
ctgaaactct gcagacagtc ctaagggatc cagtgggtcc tctgatggac cccaatgctg 240
gaagtcacgc atatagctct gaagagttgt cacaagaaat ggcgtttctg gaggatgcac 300
aggaaacttt tcatttggca tgaaaaaggc tattggattt gcaaagactg cagaggaaga 360
agtttaaatt cttgagcccc ctaaaaaaaa atttttaaaa aagnggcttc caacctttg 419

<210> 167
<211> 177
<212> DNA
<213> Homo sapiens

<400> 167
agaactgagc tgacatggac agaacttcca gcaggacctt gaatgttaac gcattacaga 60
tgccagaacc tctgtctacc taaggccctc agtgactttg tgaagcagag tctcacctcc 120
aggctggaaa catcctggac tattacatga acaagaaata aacttcactg tgctgct 177

<210> 168
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 168
gatatgaaca cgaagcaggc agaggatgaa gctgatggtg tgcatggtca ctgtgctcct 60
gcccattttt gagcttctgg aatacaagct gtgcctttgc ctggaatgtc cctcccagtc 120
tgactaggca tcttctgatg gggtttgacc tggttgcttc taacactagg atggacctct 180
tggcaatctc tggatatctt tctgtggttt gttataatgg gagaagaaga agcactccca 240
tctagattgc tgtatcagaa tggactgtta tgattgcaaa tggcagaaac ctaactcaat 300
gcaactataa naatgaggga aatgtcttgg cagctcttga aatccatgga agaacaaaat 360
gatccaggtg ctggagggac agcaacagag ctggacctca ngtgctgctg gagccagagg 420
ctcaattttc actagtctt 439

<210> 169
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 169
cttctgncac gtnccgggtc ccagagtgtg cctgctcaga tcccaaaaaa cttgcnggan 60
caggangngg tcacanagtg gttaagggga agggagaaca ggaccggcgg gtttctttac 120
cgcgggtcaa gaacccttga aagncntctt cggcttcatg taacgcaaac ttggcccaca 180
ttcacttttc cccatgggcg gccccaagtc cgaacccaga tgcctctccg acgacagccg 240
caaagcgtaa ggcaggtcgt tattccagcc tctaagcgct ttacagcgcc agatggctcg 300
cgcacgcgct gcgtcttagt ataggtcctt gttaatagtt agaagtgctg ttctcattga 360
tataggaaaa taaaactact tgtatgtctt atg 393

<210> 170
<211> 227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 170
caccctgaac tagaangggn aangnaangt gccttgngan tcacncggcc acaacgaaaa 60
ntagttgagg cncggcgccg ggggcttcac gcttcttaat cccagcactt ttgggaaggc 120
ccgagggtgg ggaaagaatt ggctttggaa gcccttgaag tttcgaagaa cccagccctt 180
gaagccaagg aagtggaaga aacccgcccg ttttcaaact aggggggg 227

<210> 171
<211> 808
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 171
gaccttctgg ggggagncta nctggcattt angtncagaa cctgcccctt tctttttaaa 60
aaagaacaac ttcaaagnat ctgggcaacc acttgtgccc caaagctttc ttcttaaggg 120
aaagaagaat tggtcaaaag tgttgggtgc cctgggaccc agcaagcatt angccatcac 180
cttggggacc caagttaaga aaatggaaga atgcttcaag gcttccatcc caagaacctt 240
gcttgggggc ttgggggccc caaaccaatc ttgtgttttt aacaagggcc tcccttgtgt 300
tgactggtng atacgtggat gcttccaagg gtaaattggg cccacttgaa agaaaagtaa 360
aaaggaactg ttctacacct taaaagaaag ccaaagggga cctcaaatta caggccattg 420
cggtttactt ggcattatta tcaatttaa aaaatattca aaaattaaat ggggaaaggg 480
gaaataaaaa caccagggct taaaaagggg atggaattta aaaaaaaaaa agaagtttaa 540
aaaaaaaaaa aaaaaaaaaa aaagggccan gcnggggccc caatttcaan ttttnggaan 600
tttaacccan ggcnttgaaa cntttggttc naaaaaaggg gggggggggg aacctncccc 660
cnannnnnnt catcccncnn tcacnatntt nttgnnacnt tacttgnntc ntctacattc 720
ntganctaca acattcatct tatntantta tntatccncn tnacncnctn annttttnc 780
acttatttnc ccanncttat atatatac 808

<210> 172
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(649)
<223> n = A,T,C or G

<400> 172
tttttaggta caagaacctt ganganttttt ttggacttgg cttggncatn gggccggtgc 60
cccttcttgg gangaaaggg cccttngnat tggtggaatg ggtggtccaa cctttccaca 120
aagtaccttc ngggccaaaa aggaggggggt gaccaaagtt tcaaagctca aaccaaaggt 180
caagaaactt aaaaggggag cctgcttgac cccgggggag cttgcccaac tttcttggng 240
gggaaaaaag gggaccaaga atggaaagct tnctttttcca agaaaagctt gatggaagcc 300
aaccttggga ccagcaaaca agggggacca aacggagggt gggacctttc ccaaagaagt 360
acttggtggt ctttcctggt ccttgcatcg cccattgatg ttgttaaccg aaattctttt 420
tgaaaagggc tttcccaaga taaagcaagc cccaagggaa agaaaaatga aaaactcctc 480
ttgatgttgg gtttgggggg ggggtcttgc caagcttggg gggccctccc ttgtcgccaa 540
gtgggggcca ctttttttt tttcnncctt tgnttctttt aaaaancccn nctttggntg 600
ncttnnanca anggtttnaa ttaaaaanaa ttttttggga aaagttttt 649

<210> 173
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 173
tttcccggag tggggatatg aacagcccgt cttgggtcct gnggggtggaa gccnatgtgt 60
ggaagaatgg agggcatcgg ttagaaagga gtctaagtcc ctgatgggca ctgagctgca 120
agaaccagcc tgggctgctt ctgctggatg tcacttacta gagagcgaaa ttaaatgtgc 180
ttcagctact gttactttgg gttttctgtc atttgtagct gaaataatcc taatcaatat 240
gagatatatt aagtaaacaa aaatgcaaat g 271

<210> 174
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 174
caggaaactg gnagggaaag aaagaactgg ccaaggggga ccaaatcttt ggttggaaat 60
cttggggcca ngaaacccct taanggagga ngantcctgg aanttggaaa ncttaatggt 120
tatttaataa ataaaattgg tggtttaatc tttcaaatcc tgggggccat gggcaccaca 180
caggggaaac caatttctgg gcctggaatg gcttgcttca aaggcttctc cctcttttgg 240
gaataaaata aaatgggctt tcaggttttt tc 272

<210> 175
<211> 267
<212> DNA
<213> Homo sapiens

<400> 175
gactgagctg cttggcctgc agaggaagcg ggaagcagtc agatgcaagg cacccaggtt 60
agaattcaaa tgctgcaggc accggggtct gcatgacagg acggctcagt ttacgctgta 120
gctgaggaaa ctgaggcaaa gaggacgagg aaagctgccc acaatcaccc tgctatggcc 180
caggactgca gttcagatcc caggacttcc aggctggtgc tttttccacc acggaaaata 240
ttaaagacta aataaactac aaacatt 267

<210> 176
<211> 332
<212> DNA
<213> Homo sapiens

<400> 176
gcatgagcac caatgactaa attggggaag aggaactcaa ggggagaagg cagctcagaa 60
tcaaagattg aagaattgta tctatcttca agttcacttt ctctgtcatc tctattctgc 120
cgttgtgcca tcagggtcaa gcagcaagaa gataaacaga gaaaaaaaat taacagttat 180
tagccccacc ctaatgaagc caaagagttc cactgggaaa gagcaactga aagctctgcg 240
tttgaaactc tcctggactc agtctcatgt atctcccact ttggctgatg acgatctata 300
tcctttaact gtaataaaca aaccataact gt 332

<210> 177
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 177
caggaaactg gcagaggggg agtctcactc ttggtcgccc agggctggga agtggcangt 60
gggtggtcaa taagccangc ttcanccaac aancctcttg gccttcttca aaggttcaaa 120
ggccggaatt tctttccggc aatcaagccc ttccaagggc aaaaggaatg gaaaacccac 180
caaaggaaga aaaggccagg aaaggggcaa gaaaaggaaa ggggaccaaa ccttggctta 240
ttaaggaact tgggaatggt tttgggttgg tgccctttca aaaaaattat gtttgaaagc 300
cttcaatcac caagttgtgg atgaccattt gggatgtggg gggccctttt gggggaaggg 360
tggaaatggg ttggatgaag aagtaaaaag ccccgtattg aaatggaaac cgaaatcctt 420
gttccatgcc attggaagat ttatgacctt tataaaaaag aagtttcctt aagaagaggc 480
catcctcatt tcttccacca tgtggaaggt ttaccaaatt ggaaaagata agcttgtcta 540
tgaaaccaag ggaaaacaag gatcctcacc aagaacacca agatcttgta agggcaccct 600

tggatctttg gacctcccca agctttccca caaacgggtg ggaagaaaat ttctattggg 660
tttaataaag ccaagcccag gttggatggg caattttaaa tattaagcaa gctttgggaa 720
ntaggaacaa gggacaacca aaccttaagc accaaaaagg ttttcttaag ggatgcctta 780
cttaaaaagg ccaccgacnt ttaatgggga aaggtttaag tngcctctta aaatggccat 840
aatanttaag ttaaaaggna aagnaaaagg aatggtggga aaaatcaaat gggatcaaga 900
acctccaa 908

<210> 178
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G

<400> 178
ctgccgcctg ccggacacac aanngtcctg tatgggggaa gtggaccagg gtcntattca 60
ancccttcc cgtttattcg gangaatgga tggcnttaag taccangnca nccnttngga 120
gggaaactng ggcctcnggg aaccaaaggt ggaaccctng aagaactggg gtggggcttt 180
cttaagaaac caagcccttt acccaaactg gtacccttc ccctttcttt ggctcaagcc 240
caaataaaat taatattccc ttcttttcaa cttc 274

<210> 179
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 179
gacgtctggg gagctcctgc attaagtcag actgnggggc tnctttggtg gccngggctg 60
gggnccagng acgggntnac agcacacggg cggacctacc tacacctccc ggctcaagct 120
atgctcctgc ctcagccttc ccagagttgg gaggcgtggg atcaagtcct agattggtca 180
ttcctggctg tgtgactctg ggcaagatac tcagattctc tgggccaccg gtttcttgca 240
tgttacaaaa gcctggttac atttctcata tcaaggagat acaaagttgc ttcaaactcc 300
tcagccacag gaactgtctt attcatttct gtatccccag cgtcctgaca cacagtaggt 360
gctcagtaaa cgttgaatgg atacaaacat gactgtgaag agccttgtaa acatcattaa 420
ccaaaatatg tctatatgta tatatgttag cacttactac aacaggccca taaacctttc 480
caaaatgaca tcaacaggaa gtaaaacctg ttttggatgt acccat 526

<210> 180
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)
<223> n = A,T,C or G

<400> 180
cagcaactcg agnggagacg caagcnctct cttcgggcnc cggnaaagga atttaaagtt 60
tccgtggaaa tgccataccg ccaaggaact tcgggganggt aggtttcccg ggtttcccgg 120
gcggtgggcc catttttcg gtttgggtgg ggtggttcaa gtttggtggg ccgggtttgg 180
cttgggtcaa gtaaaccaag cccaaagaat ggcttgcggg aaatcttgct gggctctttc 240
cgtcaagatt ggggccaaga agggaccgaa taaagccact tgctttcccg cagggcattt 300
taaaaaaaat aaaaggttcc cgggaagaaa gccaaaaaaa aacttgttcc caaggggagg 360
gatggatgaa aaattccact tgtatctaaa agggggtggg ggggtaagct tgatgccctc 420

cttgtataag aagcccaccc attggattct tacaagtttg ggtggggaaa caagcatatt 480
gccatatatt gaagcttggg cttgtgggct ttcatttccc aaaggaaagc caagggaagt 540
tgacttcaag tcatcccaag ccaaatccgc ttgggttcaa gttttcattt caagctctct 600
tatggggacc aagtaaatct tgganaaaaa taaacccgaa gctccttctt ttgggggggat 660
caaataattt atttggactt tgtaagttaa acttgccacc caaataaaaa gccaagtctt 720
ttacccatgg 730

<210> 181
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 181
caggaactgg cagggcaatt tctaaaccgg gggaatgaac aattgggcaa tcaatccctc 60
aatcaaacca agtacaatcg gcaagaagaa tgggtggcgg gcaatggccc ctgggaacgc 120
cccaaccaag caagtcccaa tcccccggct tggtcccttg ggaagaatcc cccttccaaa 180
ggggaagcaa ccccaataat ggaacggccc gcccaaaggg acttccattc ccttgcgcca 240
gggggccaag gggggcaatt gttcacttgg cccgaaagac cttgcgctag ggggggggact 300
cctcataagc cctcaagccc tttccctcgt ttccaagggc ctctccccaa gggcttgcca 360
atcaagcctt ctttactttt ttgaagcctc ttgatttcca aattcccttg ctccttccca 420
ctccattaaa agaagggcta agggtggaag ggccgctttc taagggtttg cttgggggggc 480
tcttgcttgg gttaaaggga aacaagggga aagccttgga ccaatctccc tccactacct 540
cttcccttgt gcttggntac acaagtgggt catttgtttg gatgttaaaa ttaaaaggtc 600
aataattctt ggcttctctt cc 622

<210> 182
<211> 412
<212> DNA
<213> Homo sapiens

<400> 182
cacacaggac acggtgggga tgcagcatct tggacctcat ccgcctgtgc tctaattcaa 60
agacaaatat gtttcccaac ctgcccaagg ctctggcagg gaaaactcag atccccaaac 120
tcaggtcgtt ctagtgcagc aataaccagc tgggttttca gcaacttgga tggagccatc 180
tgtgttccca gcccacataa aaatatgcac aagaagggtg caaatcagca agtccacagc 240
ttccagaggc cccagctggg atgtgccctc cctttgggga ctaatgaaag agcccaagga 300
agtcactgaa agctagatat agcaaaatgg tagctcaaca ccagatgcaa ttatttaata 360
ataaactcta aatttgtttg cccccttaat aaaactctat attccaatat tc 412

<210> 183
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(899)
<223> n = A,T,C or G

<400> 183
tacttcaagg ggaccccncc tncttgaaca tcnaaaaggg tnagnggaac gaagatcacc 60
ggngacttga agacnggcgg agccggctan aagccggggt acgagcccgt acttgcccgc 120
ttcttagaat tttcttttgc ntcctcttat gggggtaagg aagccgcaag cctctctttc 180
ngcccgggaa aaggatttaa agtttccgtt gaaatgccat taccgccaag gactcgggag 240
ggtaagttcc cgggttcccg gccgtggcca ttttcngttt gggtgggtgg ttcaagtttg 300
gtgggccggg ttgcttggtt caagtaacaa gcccaaagat gcttgccggg aaatcttgct 360
tggccttctt cggtcaagga tttgggggcc aaggaaggga ccgaataaaa gcacttgctt 420
tncccgcaag gccatttta aaaaaaataa aaagtttccg ggaggaaagc aaaaaaactt 480

gtttccaagg ggaggggatt gaatgaaaaa attnccacct tgtantcttn aaaagggggt 540
ggggggggtaa gccttgaatg ccccttcccc tgtantaaga agcccacccc atggaatttc 600
tttaccaggt ttggggnggg gaaacaagca ataatgccca ttataattga agccttgggc 660
cttnntgggc ntttcatttt tccccaaaga aagccaaggg aagtnggaac tttcaaggtc 720
antcccccan cccaaatcng ccttttgggg ttcnaagttt ttccaatttc naggcnttnt 780
tcttattngg gancccaagt naaattcttg ggataaaaaa tnaaaacccc gangcctttt 840
ttnttttttgg gggggattcc aaaannantt ttaatttnga cctttgtaag ttaaaccttt 899

<210> 184
<211> 324
<212> DNA
<213> Homo sapiens

<400> 184
aagacatata tgatgtctgt ctgggatccc agcaaccatc ttggaccacg tgaaaacctt 60
ggggatggaa atcacatgct atggatggcg aagaaaacta aaagcgcctg agtcactgat 120
accactttag agctaccata taagcctctc ttaagccttc cttttatgaa agaaatataa 180
aattccatct tgctgaattc ctatctgtgt tactagcaat tgaacaactg atttgccagc 240
catctgaatt acccagattg tctgataatt ggtcaatacc cacttcattt taggatatag 300
aaataaagct tcaaaactgg ccat 324

<210> 185
<211> 176
<212> DNA
<213> Homo sapiens

<400> 185
ggtcagcaga gacaaaggca atgttggtga ggccatgtac attttcatct ccttgagctg 60
gtactgtgag caagctgttc atctctccac gccaacctca atcttcctct ctaaaaaagg 120
gactgatgct actttcctaa tcctgccatg acctttgcaa ataaaacact taactg 176

<210> 186
<211> 268
<212> DNA
<213> Homo sapiens

<400> 186
gaaactttaa tacatcataa ctattcatta atgtatgcct ggcaaagatc aaatgtcaga 60
agatttattc agccacagac actgcaaatt aactacattc atgggacaac caaagcaaga 120
aagcctcatg ttttgggggа aagtttgata tcagcaatgt ccagacaagc aagtgcataa 180
tggaacgcaa cttcatggaa cccaactcag acaggattga cagttgaaga accaactctt 240
taattgtgag aaattaaaac aaatctac 268

<210> 187
<211> 221
<212> DNA
<213> Homo sapiens

<400> 187
aatctcactc tggctgctat atggagagta tactggagaa gaacaagaat ggaaggaggg 60
agccaagttc agaggtgaac aagagctgtg agaagactct gaggccttag gaaatgggaa 120
agctaccggt caaaaggatc ctggcccctg aataactgca cagctctttg ctggtctgca 180
ctgggatgcg atgtaactga taaataaaca tttcttatgt t 221

<210> 188
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

<400> 188
agttggatgc tgaaacttgc agtcacacaa ggacttgaac ctagagcttt tctaaagccc 60
gtactctttc cagtaccctg agccagggga gccagcgggc agaaatgacg tgtgaggtac 120
cctctctctc ttcacttcca tgtgatctgt tactcatttt gtcaagacat cctgggtccc 180
agagaccact cttattccca ggtgtgtgac ctcctcctac agactacagt gggaaagaca 240
ccatctccag gngccaggng ctacacaaga tactggctat agcagcgaac aggacagccc 300
cgctnattct natnggnggn ccaggacaat aagaaaaaag actttttat ttttatttt 360
ttgaaacgga gttttgctnt tgtttgccca agctggaatg caanggtgtg atctcnatna 420
ctggaacctt cggcttccaa gttcaacaat tattctggct caagcctntt gagtagctgg 480
gattcangca cctgccccac tcccgggtaa attttggggn tttaanaaaa aaaagggttt 540

<210> 189
<211> 258
<212> DNA
<213> Homo sapiens

<400> 189
gcatgtctgc agaaatgatc agacgtatgg aattacaaga tctcctgctc gtttagggtg 60
ttcaaggaaa tcaaagaact gtggaaacca ttactgtcca ggaaacaatg ttgtctttga 120
aagcctcatc acctaagaca tgtctctgaa gtagatgaaa aagccaaccc aggcatagtg 180
gtggagccca gatgtctcac atgtttagca tgagctagaa gacactgttt aagtaaaaat 240
gactaaagcc agcctgcc 258

<210> 190
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 190
gacactggct cataagggat ttcaatgtgc acagagcaac tgcctcctca cctccctacg 60
gattccacta caaccatcta ggaggaccac agcagcatcg tctagccttc cccttccccc 120
aggaccctgg gctggggtgg aggaggaggc gccactgcag atccagtatg gtgagaggaa 180
tctcatggct tccaccagaa tccccaaaac cacagcacat cagtttgcta gcttgcacaa 240
aagccttcac cggatgctga gcaggtgctg ggcctgtgcc cttggacttn ccacccttca 300
gaccattaag tcnaantaan ttcctttcct ttat 334

<210> 191
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

<400> 191
gagctgagct gggttttaca gagttaccgc gaggatttct gttgtgggaa aatacccagg 60
aagtgactga gcccagccag acgtcactgg gagacatgca gaagaaaaga ttttccnttg 120
ggagttaccc cacaatgagt tctgggtctg gtcaaatcac ccattattca aacacattgc 180
agccttcctg ttntttagga aatcaaacag aacttcagca gtatgcagng aggccatttt 240
aaacagngaa atcaccaacn taanncccaa nttttngaaa ncnnggcctt aattnncccn 300
caaaagggaa ncttgttacc nggnaaaaaa ctggaancaa nanggccagn ttcccttgtt 360
ggacccccctg 370

<210> 192
<211> 258

<212> DNA
<213> Homo sapiens

<400> 192
ttcagctgtc atgagaaagt tgagtgatga gaccttgagc gggaatcatc aatgaaaggg 60
ccaaggagat gagatggagc attgtaatca acaaaagtgc taaacaccaa gaagtgttgt 120
cccatatttt attacacttg agaatgtctt gctattttag acgttacaag gtatggcaag 180
acagtcttgt agcagtgcta gaatgattcg ttgaaatgca ttcaatcaga aataaaagat 240
gctgttaata actgtcac 258

<210> 193
<211> 190
<212> DNA
<213> Homo sapiens

<400> 193
gtcctcatgt gcccttgagc tgtggactcc aacactgctg tttgcaaaaa gaagatggca 60
ggaaaggatg gccctgcaaa gtgtgccatc atgagtgagc atctctgtct actcaaactc 120
tgatttttc actgcagccg acttagtgag gaatatgggc gcactaagtt ataaaatata 180
agaatgacag 190

<210> 194
<211> 353
<212> DNA
<213> Homo sapiens

<400> 194
agaactgagg ttatttttgc ctgctgttta tgtcatgaac caggagcagc aaaaacattt 60
aatcttgcat gctaactgac tgataatcac tgatggtagc tctatgctaa ggattctgag 120
accaccatgg gactggatgg aacagcatgc tgtgatctgc taatgatgtc tgctatggac 180
accacaagca tacagagtga acctgcagca cagcaagaaa acagagcacc aggctgtgac 240
ttcacagaag gccctgggag ttgcagggaa gaacagagag tcatggcaca tgaggctaca 300
ggaaaaatga ttttaaaaaa agaatgataa ttataaagca tttattgagc act 353

<210> 195
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(326)
<223> n = A,T,C or G

<400> 195
gtctctgcct cctctctgtc aggaaggaga gagagaagtt aaccacacag aactgaccac 60
cctctttacc cagaaggagc tgatcagcca tctttaggca gaaggcttcc tccagctgca 120
cccagattcc ccttctgtct cccacagcac cctgggctta cttctccaga tcatgtaaca 180
ccctgtgcta agattgntta tctcttgnct gacttcttga gtggatcata agctctttga 240
atgcaggcat tgngtcttct cactcgcaac atctccagtg ttgaggacag aagtgcccac 300
agggcatagg atatactcaa ttaagg 326

<210> 196
<211> 303
<212> DNA
<213> Homo sapiens

<400> 196
acaacaagct ggtgagcagc ctcagcctgc ctcctttgtt ccatcagaga tgctcatgtc 60
atcgggttac gcaggacaat tttttcagcc agcatccaac tcagattatt attcacaatc 120
tccttacatt gacagttttg atgaagagcc tcctttgcta gaagataagt taaggaagtg 180
ttattaatgt gtgtacagct agaagaataa tagcaataat tagcacttaa tgtgtgctgt 240
cagcctgcag tatacagtgt cttatgtttg attgtttcac atataacaag agtttgctga 300

acc 303

<210> 197
<211> 170
<212> DNA
<213> Homo sapiens

<400> 197
gtatgacaca cacgatgtct aagcaactgc cttccagcag tgattgattt tgctggttcc 60
ccacacaaaa agtttggaag agacccttat gtcttctgta gagtttcttg gttgtaagca 120
gcaagcactg gtgctggcta acttaagcaa ataaagaata tatcactcag 170

<210> 198
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 198
tgagatttat agtgctcttg gggaggctcc tggaagaagt gatatatcan gacagacata 60
ctattcaaaa gcttaanact tagcatctga ctataaacac catgccacaa agaagcttgg 120
gatgaaggat cacgaggcga gaggagtcca gcgcccagca cacccactgg gagctacatg 180
catganaccc cacccaatca gnagaaccat acngccaaca gaattatgag aaataagaag 240
ntgnngnngg tctaanccac taangctttg gaggggnttg gttnacatcn ataggtntcc 300
ttgcttggna ctacttcaat catttnatgt ttgagagagg cc 342

<210> 199
<211> 280
<212> DNA
<213> Homo sapiens

<400> 199
gaccagatta atgaagatca cagctgggaa cacctgtgat cacacctgtg aagaccacac 60
ctgtgattat gagagaagga aagaatctcc atggaagaag ggtttaagga ggatggggct 120
agaggggaga gaattctggg ctgattcaga gtctgtagaa gaggaaactc cccagctgtg 180
gccatgggac agaggagttc tcaatgcctc ccttctagaa ctagtactaa tatggaagtg 240
gcataaacag ataacacaac agacataaaa tataaacaac 280

<210> 200
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(205)
<223> n = A,T,C or G

<400> 200
gtcttgtttc agtgagaatg taaagtacgt gagctatgtg ctttgtgatg aagtcgttga 60
tttatttcac tttggaacaa gcncaccaca acaaagtgag aatgagaagg tnattcagag 120
ggagaagaag gaaacggaac tgtncgtaga aatatatcct catatgaact tanacnctgn 180
aatanatnta ggttgtcaaa acacc 205

<210> 201
<211> 261
<212> DNA
<213> Homo sapiens

<400> 201
tgggaatatg aaacccagct cccttgctga agatgggaca acaccaaggc tgaactcaca 60
cttgaattca cccacaggat ggggctgagc ctgagatctc atccttcatg gcttcctctc 120
cttccttctg tttcagagga atctgaccta actcacttgt ttagagttac aaacaaaata 180
aatggtgagg tcaggaccta ggattgctgt attgagcaaa taaaaataca ggactcttgc 240
attttatcta gcaataaaaa t 261

<210> 202
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 202
cagctcacgc tgctgatgca acacaggtga agagcacctt cccctccccc acctgngggc 60
tgattnccac cacgtggatc ccaaggccat cccaggaact ctttggaggg gagaagccca 120
gtgg 124

<210> 203
<211> 265
<212> DNA
<213> Homo sapiens

<400> 203
atgaagaaca aggccataga aagaaagcca cgagctcaaa ctgaagatgg ggcgggaatt 60
aggattcaaa tccaggtctc cggatcccca agacagcgtc ttttccacaa ggccactgca 120
gccatccatc aatttagaca tgaacctgtt acctatgtgg tcacaatcat gccatataca 180
aactttagcc aagtagcact tttttcctct tagtgctttc tcactcagaa tcaaattaat 240
tcctcaataa agttataaat ccaac 265

<210> 204
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 204
ccttccttga agcagcatga cccatctgga tgtcctcctc atctcaggaa ttttctaata 60
agctgtctaa atccagagat ccgaccacag aacaatgaat gccaaagatg agttctaaag 120
atgcgagtac tttctttcta aacggacgct gctttgtgta tggctctgct cctgggggca 180
gacgcggcag gctaagccct gcggaggagg agcaggagac agggacccag agaagtgaag 240
aggcgttgcc ttaggntgca cagcagatga cgcctctcaa gatggaccct aggttgtctg 300
actccgtctc acagctttgc cccatttatc atgaagatga acgctggtaa cactgctacc 360
tacgagctga gcttgccgcc attcctgggg nggacatgca tgcgtgccgc ctcacgcaat 420
gtgctnagtg cacaggaagg gagaccaaan ccccttgagg gggtt 465

<210> 205
<211> 181
<212> DNA
<213> Homo sapiens

<400> 205
agtgctctcc ctggttattc cagaaacacc agtcgctgag gatctctcac ctgcagttcc 60
ctgctggatc ttcattctga ctggtcaacc aattgttcca gtgcattgaa gggctagcat 120
ttcatcatcg aattgctttg tacctatgtt gaaaataaaa tggtgatgtg tatgtggctg 180

t 181

<210> 206
<211> 388
<212> DNA
<213> Homo sapiens

<400> 206
gcaaacaagc tgagagttta agtgatttac ccttcctgaa agaggaggtc atgaacagaa 60
ttccaggatt tggacctgta caaatgccat taaggcaatt tttcagggac ttaacaaata 120
cccacctggt gatgttaaac tacctttgaa gaaagcagct gttggcccaa attgtggcct 180
acaaagaacc ccttggattt taaggataag aaagatttgt atgaggtgga ctgacttctc 240
tcccaggagg cagccatatg gaaggcatgt ggcccagtga caacaataac tgacatttac 300
tgagcgttga caatgaatgc gcgtaagact tacataatct cattatctct ccaatactta 360
ggtgcatgtc taattatcac cattttgc 388

<210> 207
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 207
ttagaaatgc ccgntactta agagtanctt gccnnancta caaagctgng ngnttnnaac 60
tnanngtgat ggccattgat ggtttnnntc tcctgancnc aggatntgcc tgcctcagcc 120
tnncnnagtg ctgggattac aggcatgagc caccgcaccc agccaaggat tatttaagga 180
tggactccaa atccagtgac aagtttcctc agaagagtga aagatgtgaa gatagaggca 240
gaaattagac taatgaatct ccaaaccaaa atataccaag gactgccagc agctagtgga 300
gaaacatgga acagattctc cttcagagct tccagaaaca atgaacacta ccaatacctt 360
gatttgagac ttagtcttcc agaattatga aagaataaaa ttactgctgt tctaaacc 418

<210> 208
<211> 450
<212> DNA
<213> Homo sapiens

<400> 208
gaagaactcc cccttggaaa aaccatcagt gccggaagat ttcctattgt gttgatccat 60
ggcaaaggag actgcagata cacaagggat attatggagc ccagacgacc tgaataaaac 120
ccttccctac tacaaggaca gctgtccctt ccctacacac tccctacagg ctgatgagag 180
acctttttg gaagcagaaa cttatacttt atgctgcctt cttcctgact gccaggatta 240
tactcttcct ttccatccca gatctagcaa tgctgttgat gaggctaagt catgatgatt 300
tctttaatat cttggaacac agtagatgcc tgatatttgc tgatggactg gagaaaaact 360
gaaagtataa accacaacat ctcaagagat gtcatgaatg gagaagcata tggtaaaata 420
taatgaaaat taaatctact ttacaagtgg 450

<210> 209
<211> 390
<212> DNA
<213> Homo sapiens

<400> 209
ctgaggaaac tgagacttgg agacttatgt gcaattaccc tcaagcaagt ggtgaactgg 60
attcagtcca tgcagatgtc tggggtggga tactgagatg ctgcgttgct catgagctcc 120
caggtgatga gaaggggcct ggtccatgga ctacacgtgg agcagcagag atgtatcgac 180
ttgtccattg aagagacaca gaccaggaaa ttgatctgct gccaccccag aactgtgtca 240
tttatttatt ctgcccatac gtattgggtg tttctcctgt cccaggcatt gtattgagat 300
acagtagaag actagaagac gagacaggcc tgctccctga cctggtggac tttagaccta 360
aagcaaataa attagactct tacaaagtgc 390

<210> 210
<211> 253
<212> DNA
<213> Homo sapiens

<400> 210
gctctgggtg agtgttccag aagctgacga tgatgcagga tcgtctccct cacacacaca 60
aatgccatgg caacagcaac tccgtgacaa cagcaaagaa agccagactg gaatttgcca 120
acccagagtg tcgaccatct gtgaggccaa accctccaaa tgttgcccgt tctaagtgct 180
catctcaacc aggcttttgt acatagcaga ggcgacattt aagtgacata agaataaaca 240
ttgggcacat gtg 253

<210> 211
<211> 247
<212> DNA
<213> Homo sapiens

<400> 211
gaatgttctc ctgtttgttc agccagatct gggcttagtc ttttgctttt ctacacggat 60
tctaaaatca gcttgagcaa gtccatgaag aagcttcctg gagatgctga caggaattac 120
tctggatttg tggaactgga tagagatggc atctctacag cattgagtct gtgcaccaac 180
ggacatggca tttctctcct ttgattcaga acttcttatc tttcaataaa atttcagaat 240
tttctcc 247

<210> 212
<211> 173
<212> DNA
<213> Homo sapiens

<400> 212
attcccaggt gaagctcatg ctgctgtctt gcagaacaga tttgagtcgt aatgctctag 60
aacagaggtt ctagagtacg aggaatgtac cttctcagct ccaacacaga cctactggtt 120
cagaaactct gtggatggga tccagcaatc cattccttat tgagacctcc agg 173

<210> 213
<211> 382
<212> DNA
<213> Homo sapiens

<400> 213
gatggggagt atgttcccca aagctgcctt ctcaaggagt tggtgccttt tggggagtct 60
tggatgcccc attcgaagac tgtggtgggt gaatcaggcg gtacccttc gccaagagcc 120
tggggaaatg ggccaggcca gggaggacgg aagaatggct ccatctcaga atgcaagtgc 180
atcctctgcc cgctccagct cctccatgtg ccctgcccag atcctggcac ttctcactgg 240
agaggactcg gcccctgccc agggtcatgc agttatgaag gatgaggcta gaacccttg 300
cacccatctt tttcaaatta cttcagccaa agtaagcttg gtgaataagt tgcaattaaa 360
ataaaggtga acaagcctgg tg 382

<210> 214
<211> 220
<212> DNA
<213> Homo sapiens

<400> 214
gactcaggct tattgctgtt tatttgtggg accctgctct tttgcttgga aaccaagcaa 60
ccagactctt cactaaacca acaccaacag atgaagttag aaggcttgaa gctcttcctc 120
agccccaggc ctttcttctt cttctttttt ttccccccag catttgtgga atgtaaagtt 180
gaccagatga accaaaaataa atttgtttac ctggcttctt 220

<210> 215
<211> 146
<212> DNA
<213> Homo sapiens

<400> 215
gtcagcatca caagacgcat gaaagaggac tcatcgccag ggcatggagc tggtgttttg 60
atcaaaatgg aatttgctct caaatagaca tgtattcact aatctccttt cttttaaata 120
agtaaataaa acaaacacaa aatctc 146

<210> 216
<211> 268
<212> DNA
<213> Homo sapiens

<400> 216
ctatctgctg cacacgaagg tatacatcaa ttgaaccgcc aacaccctac cccaagaaga 60
gtacctggtg gaagatccaa cagtatctgg gagtaatgga gttttctcgc atggagttca 120
gaagatgaca tttgtttaaa gaagaagagt aaagcaagat aattatcagg gtagaagtgg 180
agttgctact acatggccaa gaaaagtgtg aatgtgctgc agtgattggt tgatcccaag 240
ggcaacacac tcagccagac tgaaaaaa 268

<210> 217
<211> 381
<212> DNA
<213> Homo sapiens

<400> 217
ctcacaattg gatatactgg ttattttacc aaggctttaa ctggaatgat atatttttgg 60
atatgaccag actgctttga gcaatttagg ttgtcttcac agagcaaata aaaagcccct 120
tggaaagact ggcttggtgc ctcatctaca tggctccctt acgaggttcc tgatgatctt 180
gtgggtagtt caatacactg aatggttgta taagtgggaa aagtggcatc ccccttgtcc 240
agtttctata agactaccat tgaataaagg cctcaatcaa ccatccatac ctactgcaga 300
ttcttctaga tgctgatgta tgcggaaccc agaatttcta ttcttggcac ccatataagt 360
aaatttttatt tgttctgcat t 381

<210> 218
<211> 298
<212> DNA
<213> Homo sapiens

<400> 218
ggagcccaga gggagccatc caatgccctt catgaagtca cgcatagtca gccttgtact 60
gattctgcaa aagaggaaaa attaaattat gagaagaaac tggaacttcc caagaatcct 120
aagtgtgtgt ttaacattct gtaacttcca tttcatttgt aaatttttctg taacttttcc 180
acttcaatat ttgcttgaat attggtattt aaccaatagc atgttgaact tcaaccattt 240
cttccctaaa cttttatcct ttttatattt ccttgcatga taaattaaaa ataagcag 298

<210> 219
<211> 128
<212> DNA
<213> Homo sapiens

<400> 219
ccatcctcca ataaattcaa gtttttattt tggaatgact ttccatttaa agaatttcga 60
ggatactaca aagagttcca gtatatcctt cattcatctc tccctaatgg gagagaagga 120
ttattttg 128

<210> 220
<211> 270
<212> DNA
<213> Homo sapiens

<400> 220
gggttacata attagcagaa gggaggagct tcaaatcctg gcactctaac acagagattg 60
ttcacttaag actacacagt accacttatg aaaaaaaact ggcagaaggt gttggtggac 120
aagaacctct cctcttcatg gaagtgaaca gaccccgcga cgtggccatg agaccataga 180
gtacgagatg gaaaagagcc acataccact gtgcaagtgg tagtttgaac tcctgtatgc 240

gtggcttata tacacacact actgagattt 270

<210> 221
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 221
gagctgagct gggttttaca gagttaccgc gaggatttct gttgtgggaa aatacccagg 60
aagtgactga gcccagccag acgtcactgg agacatgcag aagaaaaggc aagattggtt 120
gtgactctcc tcttctggga acattctaga aaggggtagc aaggatgctg aaaccaggcc 180
agctccataa gacctcactt tgcagaaata gagagaagta aggggtgtag gtaggaagaa 240
cagagtggta ctgagaagtc tcaaggaaga gagcgaaggg gaagagcagc atagaaagtg 300
tggctgcatt tgcgtggtgg tcttactgcg tacaatggtt gagctccatg gtccttgtca 360
gcctccctca caggggggaat gccgcagatc tcttgaaaaa aaatagcttc ctntttagcc 420
tgncccgaaa tccccactat ttncacaaca gggagaatgc c 461

<210> 222
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 222
attcattcct ctgaggaccc tcaagtactt cagaagaact aaaaaatgaa tatcacgtta 60
caccaaagaa gaaatgaaag ctgccagtgt cttctgaagt taaacaggct cctgttcttt 120
gacccagcaa tccaatccta gtgccatgtt tgtggacatc cccccactgc ccttcatcct 180
cagaaaggaa cagcctcctg tgggttgact tggtgatatc tgtccataga taatgtctcc 240
aaccccaggc tcatcactca gacatctgcc ctcaggagga cacgttcatc cccagcacca 300
gagacatgtc tgccaaggct tttggaactg attttatccc catgcaaaaa gctagattct 360
aattctgtct gatcacaaaa ggttgaatca aagccctaca actgaggttc atgcaccaaa 420
acaagaaata catggaaaag ttgccaaagg attttagaat atcagaggct gtaattcatt 480
atagatgtgg atccttttgc tttcctctaa ggaaaaaaaa tattcaattt tattaagaaa 540
aaattcccac taactgnggn catgttcaaa gcactccaga aaatattttg aacgccacan 600
ggtttcgctc aaggaagaaa attcatcatt ttaagggngg ggggaaaagg agctggncat 660
tcattttctc tcaccttatc ctaacantta taagttaaaa angggangga ttggcttttg 720
nctaaactcc atggacaaaa caatttttg ccttt 755

<210> 223
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 223
aaaaattgac agcaggggcc atgtctgttt ggtttaatgc tgtaacattc caagcacaca 60
gcaaatgtac ctcacgtgat taattctcat gagtaagcag agatcttgac ctgtagcttc 120
ttacatctgc ctatttgttt agcagaacag agaattacgg taaaacagag gcatggtaca 180
agcgtttgtg tttgctttac aaacacgtct cccaacttag tacaaaaaaa cactgcaaac 240
tcttaatttt agatcttctt angtttgttg taaatagaaa gtagagtata atgntttata 300

gatttatttc taaactatat tatgggtact tttctcgngc ttttcagata tttnagaaat 360
tgggtatgng ctggcatgaa tattggaatc ctttttttnnt taaanggtta aggaaaaaat 420
tt 422

<210> 224
<211> 207
<212> DNA
<213> Homo sapiens

<400> 224
agtctgaaat gattccacct ggtcttagca gaaagctggc ccggaagttg taatacatga 60
agatccaaca gccaccacgt gaccaagaga aaaaagccaa aagaatcaca gacctggcct 120
tcacattgta aaggttctta gccagggcca atagttgccg ctctctgaac ttcttatcgt 180
atgagaaaaa taatcattta cttgttc 207

<210> 225
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 225
gtttttgcaa tcgcctgtgt gttttctcat tcaagaaact tgagtaattg tttacaaacc 60
agaatgtcct ctgtactgag cagaagaacc ctgcagtcct ttgaccagga aagcaacatg 120
tcaaatataa agagcactgt ctcgagaatt agagagccag gccttggctt ccctctaacc 180
ctactggcca tgtgactttg ggcaagtcac ccttccttcc tgtgcctcag cttcatcttc 240
tgtataatga gaggactgga ctaagtgaat ctcctctaac cgtgacttac acacaaacac 300
acacacacag acacacacag acacaaacca cncaccccaa ccncncacca ccaccttaca 360
cactttgccc atggatcttt at 382

<210> 226
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 226
ccggacctct acattgctca atatggattt acacattgac attataggaa catttgaacc 60
atctgtaata ttagcatgtt tctagagaaa agatggctca agacaacaaa ggctatacca 120
cctactaccc tgggaatgaa tgcagcagga ggtacttagc tgaggcctcc attgtcctta 180
tggcatacat ctctggagga tggtccagcc acgataaatt tgcaatacag taggtctgct 240
ctggctggag cacagcagac attttcctac agtgctgggc tctctgatgc gagatacctg 300
gaacaaagac ctccctaatc aaatcagcct ttgcctttcc gggtaaggcc cagcatgtca 360
atcctgctaa aaagcagaaa ggaatcctga agcagaangg ttgtaatatg atganggagg 420
aaccaaagga agaagtgagg aaaagccaaa taatnccttg ggccttggca cttgactcct 480
tt 482

<210> 227
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(408)

<223> n = A,T,C or G

<400> 227
cagttccagt gccttgcggg gaatgtcttc accagtgctc taaaaggcaa caggattttc 60
tgccctgtat ccagcagctt aaggcttttg tttcaaaagg gaataagaga gaaaaatctc 120
tcctatcatg cttttcttgc ggtactgttg cctgttttta actttttgta taaatggaat 180
cattcagtat gtacattttg tatctgtttt ctttcactct acagtatgtt tgaaatgttt 240
ttatgttgct ttgtatatag ttttcttcag atttctgaaa gtatgaccga caaataaaaa 300
ttctatatat ttagggcata ccatgtgatg tatatattta catatatatg gaggcatagg 360
ggaatgatta ccaccatcca gcttaataaa natatccacc acctcccc 408

<210> 228
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 228
gtcaagtcac tgaggtgcag agacactgcc tttctgtcct aaagtccagt tcaggccagc 60
tctctccaga gttccaggct tttggtctcc gtctgcagat ctcctttgct ttgaatgagt 120
ctgtccctga ggagggctag gagcaacctt gagaaggaac atgatggtca ctaattcagc 180
cagaacactc tcaaggtgca ttctgagcga ggctgatgcc aggtgcagaa caaacacctc 240
ttgcgcctgg gagcttcctg aagtttggag aatgtgtcag atatcacctg tttgcccctg 300
ggggcctaac cccacccctg tctgcatttc gtgcanacta cactnggggc ttccgttggc 360
cttccgtttg gncagcagga aacttntggc aaaagatca 399

<210> 229
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 229
tgaccgctgg aaagggaaca ccttgcaact tctcccacga ggctttcgat cctaatgtaa 60
ggagcagacc tctcccgtca gaagtacatg gtggggaaaa agggccatgt ggacacatgg 120
aaacggattc gggcaggacc agaactattt ccttagccac acagatgaag ggtttgtact 180
aattcctcag tgaggaggaa ctggaacccg atatcaaaat ccactgtatg tcctntatag 240
tttattgtat ataattatgt accataaact gtgcatggct tac 283

<210> 230
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 230
gcagtgttgg tctgcaagct tcaagagcca gtgaccctga ctgccaagtg atttgccgaa 60
gggaattatg gttttgcatt tgatggtttc caggaactgc taagagtgag atcatccctg 120
aagcagtgac tgccagagga aggcgagaga catatggtgg ccttacagga gaagaacatg 180
tctnagagag ctcctactcc tccagttttg gccccagaat gaaacacagg aagaagacct 240
gaatttgatt tgcatttcaa agtanaactg tcccagctga catgaagact gatnaataag 300

gaataagtat ttattgntgn atgtcactga tattttctgn gggccaatat tntgtanaaa 360
aacctgncct tgggccnctt accattaaac cttgaagaa 399

<210> 231
<211> 60
<212> DNA
<213> Homo sapiens

<400> 231
gtggatgaag ttgggtgctt cctgtacatt gattttgctt ccttctggct caccaagaaa 60

<210> 232
<211> 321
<212> DNA
<213> Homo sapiens

<400> 232
gcagcgacct tcggcattaa attactcccg agaactcccg agcaaagcaa caaaaccatc 60
aaatatggct gagccgataa tgcgccattg tggtccagcc tgggcaataa gagcgaaact 120
ccgtctcaaa taaataaata aataaatagg aacagtgatc actaattaca aaattgaata 180
tcgaacccaa aaggcatatg tgtccaccgg aagaatcttt ctgaatatat caggtttgat 240
tccatgtaat cccacaccag cccaactacc cacatccaga cccacatcca gaacgttata 300
atctgataag tgcgacaaaa c 321

<210> 233
<211> 240
<212> DNA
<213> Homo sapiens

<400> 233
aagcacctga gactgcagag agtgccatgc aacaggaaga tcagtcaacc acagagcacc 60
aactatcact tgcccggaaa acatctaccc tcaacactgc ccagggaaca tctaccttct 120
tctggtcaac catttacaat ctcttccaac ctccaacctc catacctct ccttacccc 180
ttctctcaat atagcctcac cccttgtatg tcatgaagga aataaacccc cttatacaag 240

<210> 234
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(600)
<223> n = A,T,C or G

<400> 234
gcagcacctt acaagaaaag ccagaaaaga aaacccgtgt gtattgtaag agtttaaaga 60
gacagccact ccaaaagaaa atggacattc acattgacgc ctggaaaaga accaggagtc 120
accatgcaaa tgtgtcatag cagcgagaag tcctgtgaaa gcgaaggaga tcagccaggc 180
tcccgtgagt cacggttcag gattcagatc ttcatcttcc taagacactg atctcactgg 240
tcccagttat tcctgaaacg ctgtccctcc tccgttttcc ctgaaattta tcaattaaag 300
taccggntct tgtgtaaggt aaaaagatta agaagtttga tgagacagag tttacaacag 360
ctaaaaaaga agcttaatgg gatgggagtg gttcacagat ggtgcaaatt gtctgctaag 420
tggcacttta tggatgggca gaatccatga gagttttatc ttgaatttct atcaggctgn 480
attcagcana aactgggtcc ctggaaattg gcattttaaa aaaaatctct gncgggggnc 540
tatctttcct gggtatacca atggcagntt cgacccattc nagctgggtt cttgaacaag 600

<210> 235
<211> 202
<212> DNA

<213> Homo sapiens

<400> 235
gggaaatttg gacacagaga cagacatgcg cacaggaaga atgtcacgtg aagatgaaag 60
cagacatcag ggggatgctg gctgcttaca agccatggaa tgccgaagat agtgagccga 120
caccaggagc taggagagaa gcctagaact gacgctccct cacggcctca aaggatccaa 180
atctgctgac accttgattt tg 202

<210> 236
<211> 427
<212> DNA
<213> Homo sapiens

<400> 236
cacatgctta cccagaccct gatacgatcc tggaccaggc agaagcagcg tccttctcct 60
ggaggagctt ggagcagcag caggaggcag gcattacacc ccgataagca tgcagagttc 120
tgaagaggaa gctcgcagcc tcactcactc caggcttttc ctctggacct gagctctgat 180
acccactgca ttgtcagaac cagagcaaat ctggaggcca gagagcaaga ccagcaaagc 240
caggatctct ggggtaatta ggcccgcctt gcccacaggt gctccacagg tggtctcagc 300
tcccagcaat gacccaggga gaagcccacg ggaaccctca gctgcaacca atcctccaga 360
ctgctggcct gcctgccttc ctgaaatagt ccagatttca cttattaaac atattaatct 420
gaaagtt 427

<210> 237
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 237
gtcagagaga canggaacca ggaggccacg actggaaagt ccaggcagaa gagaactgtg 60
gagccagccc agggaaggac agaagtggaa aagtcaccac agacaggaac aagcttcctg 120
gcacacgact tncctgccaa acaactcaac tgtagtcaaa aggaaagaga tttgtctagt 180
cctataccag gacaaggagg agattccaag gtgctccaaa ctttactgat tgtgcccttg 240
ttcagtta 248

<210> 238
<211> 401
<212> DNA
<213> Homo sapiens

<400> 238
gtgtgaactt gtatcccagg ctggccagtt aggatcttcc attccatccc caccaccatg 60
actggttcag gaacagggaa tgagattcga tcctgaaacc cacattgaca ctactgggaa 120
agataaattc ccctccccac cacccattga agagactaat ctggagctgc cagtggccac 180
catgtggaaa aagcccacac aagaatgaca ccaacacaga gggagagcca gcctgagagg 240
gagggagaag aagaagaaga gacccgatgg catcttttca gctccgggac ccaggtgtac 300
tccacccact cgactttctg gatagaaaag ccaataaaca ccctctaatg ctcatgccag 360
ttggactgtt tttcaattaa aataatccta acacaccctt t 401

<210> 239
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

<400> 239
acggagtctc actatgttgc ccaggctggc cttgaactcc tgggctcaag cgattgatcc 60
acctctgcct cctgagtagc tgaaactaca ggtaatctgc atctcattaa ttggaccata 120
agaccaagca gccagacctc agttttatcc gggtacaaaa tctggcagct ccactgggac 180
agagctgccc tcagcagcta gaggcttgtg acctgacggt ctttaggaga ctcccagcag 240
ctgctaggta cagtttgtcc tgaggacgct tctgagaact ttccctgggc aaaaggacca 300
cccatcccct tgctactggg gtagaanagg ggctaggaca ctgaaggggt gagtaaaact 360
ggatcataag cagggagtct attgcttcct tatcaggggc tttgcaaagc cattcntttt 420
tggtanccct ttaaggagac aannnggggct ttntttgann ttttcncttn gcatatngct 480
tggaaaaata 490

<210> 240
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 240
ggagcaagcc tgtcaaccan nagcatacga aaccggagtt cttgccttat cagcccttct 60
gcatgggaaa gctgcctcag cacggctctg tctgtgaatg cctaactctt cccaattctg 120
aggtcagaac cagcancccc attggctaag agaactgaag ctatatcctc caacttagct 180
tatccggtta aaagataaaa ggatgatatt ttgantnctg taannaaaan gncggaatag 240
gccttgaagg ctcnanttga nccgggncca aanagctnga anngggggan ctgnnagagn 300
ancaccatga gacggggaaa gggggatgga 330

<210> 241
<211> 139
<212> DNA
<213> Homo sapiens

<400> 241
aattgaaagt gaagaccgat gaatcatgcc ttctgatcaa gacccatgtt ggagattgtt 60
gccctgacct tgggaaagtc tgtgtccatg taaattcaga tcttaatgaa acaaaaataa 120
atgtaaagca ttttctggg 139

<210> 242
<211> 457
<212> DNA
<213> Homo sapiens

<400> 242
ctgaggccaa agccccctcc ccagagcaga cccctagcac tccacagcag gatcacaagc 60
tggtctctgg tcccagaccc tgcggatcct tgtcgacgct tccagtctcg atcacttccc 120
gatggtttga atgtgaagtc aacaatccac ggaacaattt gcacttactg tttctagggc 180
ttttgcagtt aaaagtgtct tcagtttccc cgatcttcct gcaggtgccc ctgcagtcag 240
aagctgagtc tgtcccttct cccagcagca gctgggtaca ggatctaaca tcagtctctg 300
cctgctggcc agaagccaca gctgcaacgt gctttcaaga aaaatgggcc aggcccaaag 360
gagctccccg tcaagtgctt ttcagtgttc ccagcacaaa gataaaatta cacttccata 420
ggagtacaca aactaaaaat aaaatttaaa gaaagcg 457

<210> 243
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 243
gacgtctggt tgctcctgcn ttaagtccat ctgagatcaa ctgtcacttt tcccacctgc 60
tttgtgactc atgaagctgg ccttcacgga ctgccccaac cagcctctcc agctctctgg 120
tttccaggta tcctctggaa tacctggaaa tatacaatag gaaacaccat catgagatag 180
gaaaacagga gaagagagag atgaaganaa caggaaggaa acagattgag acctctggaa 240
acagatattg agacagagtt gcatgcagaa gatttattgc ggagcacgct tgggggatac 300
acctataagg aacttgatga angcaaaatg gacacagaga gaggctgact cgtgatacag 360
ctgcatccag gacatcagct gatcttatat ggagatagaa taaaccttca cagttgtctc 420

<210> 244
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 244
gtgcttcttg actgggaagg agtggaagag gtcctaggtg cagaagggta tggaagataa 60
ggtcaaagga tgtgctggtg ggaatgggag acaactgaga aggtgagaca agctggagga 120
aatgtcagga gctgctgaga gaagctcagc ctgaccagag atgagaattg ccatcttgaa 180
tcgtcaggaa gtgaaggaaa gcccaggtga atgccaccca atcaaaaaga aaaaacaaat 240
gcagatggta aggtagagaa ggctctgaag cccaggtaat gagagccatg ttaccctgga 300
cagaagcatc caacaccaca catctccaag gatgttggag atccagcatc tggatccagc 360
taacttctgc atcctcttct gtcttcaaaa agtaacattg gccgtccttg cntttgntgg 420
acaacacccc ctaaaacgag tgtntttgta cgttttcaca cac 463

<210> 245
<211> 317
<212> DNA
<213> Homo sapiens

<400> 245
tttcaggggt aatcttgtga caaaccaggc atggagagct agctgtgaaa ttccagagat 60
gatctcaagg taattagtct acagcccagc cactgctgag atgacaccag cacacgctcc 120
aggtggacca tgactcaaga cggccaccag aacaaggcat accgacctta cactcagcac 180
catgcccgca tgcctccctc tccaagttcc tcttttaagc ccctctcccc agcctaaagt 240
ttgaaatgtt tcttgtaagg aatgagcctg gccatttccc caaccgctgg cttttggaat 300
aaagtcactt tcctttt 317

<210> 246
<211> 320
<212> DNA
<213> Homo sapiens

<400> 246
gctcctgtga tcagctgagt gctcgttaat tcccacgttc actaaaccat catagttctg 60
ctgattctca gctttagagg gaaactctac agtgaacttt ttcaattagc agtcatcaat 120
tactggtcag aatacattat aattgtgaaa attatgctcc attaatctca ttaaatgtgc 180
ctaaacctgt aacttgtcat agttcgatac ataggttggc tatatttaac tttccctgat 240
cttatttgcc attttttgca aaagcatcat ctaaaatgta gagagagttg tcagtaattt 300
tggcttttta ataaacattg 320

<210> 247
<211> 218
<212> DNA
<213> Homo sapiens

<400> 247
gtctcacaga actctcttct cttcagaatc catcatcttc cctgactaag aattcactgt 60

atggagagca ctaggagttg taagagctcc aagcctaaca taagagacat tcatccagct 120
tttagatacc acaatctatt catctgtgcc tacttacagc caaatatcag aattacatgg 180
aaatgttagg ctcagaacca taaagactgt cagaagag 218

<210> 248
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 248
ataatgaaat aaagctcaaa gaggctcagt ttccaagatt acacaaccag aaatgacaga 60
agatgggtcc ctctgggatt cacgctcctc tgctgggagt ttcacaccat tcgccatgtc 120
aacatgaagc aacagctggg ttgaagagag ccgataaaaa tagcagcatc gcactgcaag 180
caagccgcat agaaaagaag gggagtcacc gtacttaatg cagggtggca ttgatttctt 240
gtcttcccag tccagtggtg tatttctcgg accatctact ttttcagaaa gagcaaagtg 300
agctgcttgt ccatatgagg aaagagacgc taagagaaat tgaggaactt tgctgacctg 360
atgtaactag atgggactag aaaccttggc tcgcggacca cagagttgac attacagcca 420
ttcacatgag tttgcatttg tcatctgaac cttctggatt tctatcatgt cacttgctgc 480
ggtctcttgn atttgtggga attaaaatta aattggggag gtttttattg acttcttttc 540
tttgag 546

<210> 249
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 249
agagacagag tcaagcatct gctagcgtcc ttggacaaga atgcatgtgt ggacacagag 60
acaccagacg ccaatacctg gaggaaaact cacagcctct gaccagaagt gaactagcaa 120
caatggtaca gttaaaggat ccgccttgcc actcggctcc ttataccaaa agccaaacct 180
cttttgctaa agcagagact gttacatctc agcctcaagc tggcaaatcc tgctttggat 240
cccggcagag gaaattcagc cgttcattag ccttaacaag ctgctgtcac taagcgaaga 300
aattacacga gcagncacac acccggggct tttaanagcc ntccccccaa gggcaagcgg 360
gtttctccag gacggactgt acaagttcac acttcctatg tgcaaatccg gactgtcttc 420
ttgggct 427

<210> 250
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 250
aacatgagct caggagggct gggatttggc ctgccttgtt ccctgcagta ctgccagaac 60
tagcattgca cctggaacat ggaagggccc aggacacagt ggccgtggga caagagcatg 120
aagccccaga gcctcaagca cagatgtacc tctcctgggg caggggttt cactctgccc 180
cacagcggga ggctacagcc tggccatcct ggggaaaccc aaagggaaca catggacaga 240
tcagcatcca ctntnaaaag tgccaatgac ttcaagctgg aatccaccca caggctggtc 300
gnccctggct ggccaggaaa aggctttatn accatgccac aaaagctttc aangggcttt 360

tttggganttt naancccccct ggcctaaggt ttgaaaaagg canggccccc cccaaagncc 420
ttttttttttg gggggatttt ttaccctatc nnattttaaa cttcaaanaa aaatttttaa 480
gccttncccn gggaattcat ctttaaanna tttgggtcgg ttttttttaac 530

<210> 251
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 251
cacccataaa attcaatgga ccaccatccg gacaaaagga taaaaacaga acacatcaag 60
ataatgaatt ttcttcaaac tactgaggta caatgaaaaa tggaaatatt atctcagaaa 120
ttacaacaga gggatgaaga tatagcatat gctgtaccta aaagatacat caaatgggac 180
attgggaata tggattgatg aaatttaatt tgcgattgnc ctataatgcc ttttcattac 240
agtaccacac aaattgaggc aataaatgta tatttgatc 279

<210> 252
<211> 296
<212> DNA
<213> Homo sapiens

<400> 252
gatgagaacc tggctgttta aaaacatgga atcagtggag tcctgaatag cagcacatga 60
cttgcaacaa ctttcaacat ctcataaaat ggctgctcag cattcacttt ccatctcaga 120
gtcacttctt tggaactgct agggagtcca gggtacattt gagtcctggc agctcatgtc 180
ctgctctgtg gcagctcttc ccactgctca taggagtccc atacccactt ctcaaccatg 240
tccggctgag cattacaaat caccttctgt ttaaaataaa ataaaataaa aatctg 296

<210> 253
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 253
gatgaagaaa acgcagatca ctctaagaat gacaggtttc ctgggtgctg tgaagcatac 60
ctaaacagat agctgcaaag aaggatcttt tctctatttc aagacatgaa cactgcccca 120
tccccactcc tggtattttg taccctaaac aaaattgggt atttgcctga tataacctga 180
aaaaggtggt gcattatact ttacatagtg atttatagtt tacaggctgc ttttacgatg 240
gtctcattta gttttccaaa atcaagctgn gatataagtg ctattattcc ccttttttaaa 300
aaggggaaat gggggacatg tganggtaaa gtgagtgggt caagggtaca cgactagtca 360
gcagcagaac caggactaga attgcaagcc cagtgttctt ganggttgag ccccaagaaa 420
ctctgtccag ggctttgcat catggggatt tggcccaccc nccntaagca ncggagggat 480
ggantgcaaa aacactggcc ttttttctttt gtcccaancc tgcctnttgg gaagtccagg 540
accaaaaa 548

<210> 254
<211> 219
<212> DNA
<213> Homo sapiens

<400> 254
caggtaaaca accaccacag atgcaggaat ctgacagatt atgaatctgc tgctaatact 60
gctgacttca gtcccaggct actctgccat gatacagaaa tatgccaagt ctgctccagg 120

aagctgctga atcaggaatc cacctaccac attgggcagt cactgctagc tgccacctcg 180
gccttgatcc tcgccagcaa aatatatgcc tcaaacttg 219

<210> 255
<211> 374
<212> DNA
<213> Homo sapiens

<400> 255
atggggattt cggatgttgg aatcatgagg cttttgttta agagttgctt aagatgttct 60
tcagatcctg aattccagca gaacagctga catccacaac cagtttgagg atccccacag 120
aagagctgaa tcaacatgag aatgcagttt cttcatctct ccagtccatg acttcaccct 180
gcaatcccca cagaagagct gaatcaacat gagaatgcag tttcttcatc tctccagtcc 240
atgacttcac cctgcaatcc ccacacctca gcccactcca aacccccttac aaactcctca 300
gggaggcaaa tctgaggttt ccttccatct ccttgttcag atgccctatg attattaaac 360
cctttctctg ctgc 374

<210> 256
<211> 199
<212> DNA
<213> Homo sapiens

<400> 256
gtcatgcgtt taaaaagaag agggcattct ctgcctgcct gctgcttgga cagtgaactt 60
gactgttggc catctcagac tgcaaatgag ggcaatacta tacgaggacc aaatgacaat 120
gaaggaatcg ggatccctgg atgacttcat ggaacaaagt catcgtatct ttcctggaat 180
gccagcttcc aatgggtgc 199

<210> 257
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 257
gaaggtcaag ttnnaagccc cgatggattt gatgcagccc ttgttgcttg nangatggga 60
gggggttcat gttgcaagga cgtgggtgat ctcccagcta acaccagcaa ggaaaccagg 120
actgcagtct cacaaccaaa aagaattgaa ttctgccaac aacaagaatg agcttggaag 180
tggattttcc cccaaagtct ccagaggact ttgccccctg agcagcgaag ccagccatgc 240
tgtgcagaac ttccgaccta cagaactctg tgctaacaaa tgagtgttgt tttaggctgc 300
taaagtttgn ggnaggttgg tacacagcca ttcaaaaatt aatgtanagg ggggaaaaga 360
aacaggagga gctcanataa gcttctccca ccaccacaag ctgcatttaa agtggatagc 420
atcagcttca ggtagaaatn caaggaangt gtgttttgtc aac 463

<210> 258
<211> 34
<212> DNA
<213> Homo sapiens

<400> 258
tgagccgaga ttgtgccact gcactccagc ctgg 34

<210> 259
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(149)
<223> n = A,T,C or G

<400> 259
actaangaaa anctntatga ggatacancn agagggcagc caactacatt cctggaagac 60
ancctgaaa ccaacactga tggcacctag atcttaactt ctggcatntg gaactgtgaa 120
aaaataaatt nccattgttt aagccatgc 149

<210> 260
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 260
ggaggaaaaa aatgagcaga aactgctaac atctggaggc tgctgtccag tttacgtaat 60
ctcttgctgc agaggaggaa cacgggatcc ccagccagat ggtccgtggg tgacttcaca 120
gcacatgtgc tacctccaag acagggttct ctgaggaaca aggaccttcc agagtgatgc 180
ttttccctag tggcagcctt ggccagggca acagacatct gcacaaacgc agggtgttga 240
agcagctgtt ctgagatgca gtgcctgaga atctgggatc cacaatgtga acttcccaac 300
aacccctgca cctgccactt tccttgatct ttccactaag caccagaaga cacatgcntt 360
ttaaatcaaa ggaatgtgag ttggaatttc agcttctgcc attcactgac aacatggcct 420
tgaacccttc ataaactcta 440

<210> 261
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

<400> 261
caganactga ggacctcact ctgtcaccca ggctggagtg cagtgggtgc aatcttggat 60
cactgccacc tctgcctcca ggctaaagtg atcttcccac cttancctta caagggagca 120
gggantacag gaatctggca tcttccttta actttcaggg aaccatgggg ggaaactacc 180
catnggcttt ggtaaagcca ccaagttggc attccttttt aaataaaaaa ccttggttaa 240
aaccaaaacc ttt 253

<210> 262
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 262
ggagtggaag aaagcagaca agatggggat tgcccagctc tgtgaacgtg ttggatgggt 60
gcgtctatcc cgagtacaac agaatctgaa ctcagggcag tgtgatgtac tccagaatct 120
accttctgat ggtcatgggc tcaggatggg ccttggagga gatctgcaca ggaagcacaa 180
agctctggtt accactggaa gccgtcttgc ccccataaac cagccttagg atgccactga 240
tgctgtatgg cagaatggag taacagagag aatttgcaga ataaagaagg gacaatgcag 300
tcaccaggtc agcattaagg gaaggcttgg ctgcatcatc tgccactctg ctgctgctga 360
ctctgccagt ggggacagca catgcttcct tctacgcttg cctgaggntc gtaacttcaa 420

aaccccacaa cnnttttttgg aaggagtaaa a 451

<210> 263
<211> 210
<212> DNA
<213> Homo sapiens

<400> 263
atgaaaaaca gaagcaacaa tatgaatcaa ggcattctca ccattcccaa gcttggaggg 60
aaggatcctg tggcaggcaa atggaggaca tcaggagata aggcaaggtc cctgccatca 120
aggacctgac agccggctat gtgattctgg gcaagtcact aagcttgttt ttacaactgc 180
aaattgagat aataaaatta tctcccttgg 210

<210> 264
<211> 324
<212> DNA
<213> Homo sapiens

<400> 264
ggtgagacaa cgataagtaa gcaaccacga cacaggaaga gacttgtcgg ggagtggaag 60
tgctcccagg agcatcaact tcgcctgtgg gctgggaaag tgtgcactgt cccagacaga 120
cagaccagga tctggtgatg ttcccaggag ccaggcacga aggatcaaac agtgaaactt 180
aagagtttga gcggccttgc ctcctggatc ttgtctttgc ctttagaatt gtaattatag 240
gatgtgtgtg attttttttcc cacttaacat gtcgtgaata ttttccatgt ctatgtaatc 300
ctttaaaagc tatttacaat gatt 324

<210> 265
<211> 82
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(82)
<223> n = A,T,C or G

<400> 265
acgggagtct nactatgntg nccagcctgg ncccgaaccc ctgnccttag gantnttaaa 60
angnaaatag ccccaatcat tt 82

<210> 266
<211> 245
<212> DNA
<213> Homo sapiens

<400> 266
aaaacctggc ccatacagag cttacaccta tgaccttggc ttcgtgggca ccatgatctc 60
agcaatgcat ctatcatgcc tgcctttgga cctaatgagt atgaaccaca ttacatcaga 120
gaagagtgcc agggtcaaca attaatattt tagagttaca actacatgtg aacctatgta 180
cttgcatttt cagcaatatt gcagcatagt attatttatc tctaaaataa aaaatgcatg 240
aatat 245

<210> 267
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 267

ntgctattgn ctnaatcgnn ggaaaatncn nggannngaag cgctagnnna ccttctcngn 60
ccnntnccaa caagcccggg cctncntctg ntgncatgan acctcgaggt ngcaaggaaa 120
tgctaatgga ttccgagggg catgctactt acctacatgg aattggcttc nnaattcact 180
gggcaacnta ctgagactac cgtnnaggct atttaatcat cttcactatg aanngccaat 240
tctttanagt nttatgacat tcatgaatga ngcgggggggc ggncatgatg aatgcagagc 300
aattccctgc gacagatact ttcagggaat ttatgccccc tcccccaaga acaaaagggc 360
tcctgggctc agttatcatt tgntctgcga gagaaattac agtcttttca gcaactncnt 420
ttaccctact caataaaaag cgcttatttt tgaaa 455

<210> 268
<211> 182
<212> DNA
<213> Homo sapiens

<400> 268
agtgaagaga tttctgactt cctgtcctct tccctgctat attacataca tctgcttaaa 60
ctctggaaaa cagtaccagt caaagtggtg ctgaaacctt cctctaagac aaactaaaac 120
gatgttaaaa aggttacacg accttactat ttcaagtact ggtataaaac cactttctct 180
gc 182

<210> 269
<211> 502
<212> DNA
<213> Homo sapiens

<400> 269
gcagactcaa cttcttagag ttccagcaca ttgagccctg tttgtctcat ccatcttttc 60
actgaccttc caaaggtgga ctggatggag aaccccagct gtccattgtg tttgaaatcc 120
ctttaagtag ggactcggct agaggtgttc ttctgcctga tccccagatg aaaaggacgg 180
gaggggagtg acagaggagt cttcagccag ctgccatatc cccatgccgg accatggaac 240
ctgacttcca gcgcactgta gcagagaggt agctagagag cagaaagtag agatttggct 300
ctcctaggga tcttggagag aactttgtta tttcagcttt tgagatatct tctcttcctt 360
cataaggatg agacccaggg tttcctgata gggcactgcc ctttaaaatg gactttggga 420
ataatttggc ccactgggtt tttttgaaaa agaataaagg ttgggggggtg ggaacctaaa 480
gccctacccc ctgggggaat tg 502

<210> 270
<211> 186
<212> DNA
<213> Homo sapiens

<400> 270
aaaatgagca acttgaaagc agaaactata atcactgtga attttcccat tgacctgcct 60
tgcctcttgc caatttttat gaatttttct atttccctca aaaccttgta aaaggactct 120
tcacacagca gaattacaac gacttgtctg ttcaatgaat aaatcagctc atctttatct 180
tctaag 186

<210> 271
<211> 386
<212> DNA
<213> Homo sapiens

<400> 271
gcattatcaa ctgatgtccc acaatggagg atgaagattt actttctctc tcatcaataa 60
aaatgtcgga taatttttgt gggtacgcaa ttccaggttg aaaattaaag gcaatattcc 120
actgtattct ggtttccaat gtcggtgtga agaaatccaa agccactgat acagatataa 180
gaaaaagatt tgagtctttc tacatcaagc agaacatcct tggaatttct agcctggatt 240
tccaatgcca acagaatgtt cagaaggcat tcaggccagt gaagttacca acacaacaaa 300
gatgaacgct tttcaaaaaa gaattgcatt atttgctaat aactgatact tagcagcaaa 360
ataaaaacca taaaataaag aggctg 386

<210> 272
<211> 482

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 272
atctataaac taagaataat ctggagaggt caattcctaa ttagaaccta gtatggaaga 60
ctaggatcct aaaactcagt ggtaactccg aagagtaaaa atctacccca gagctatacg 120
tgaaagattg gaattttaca gggaggtttg cattttaaaa ctggttgctg agatttcacc 180
agaactacca cagaaacata ccaggaaagc tgagagaatc cacagatcct ttgaaggaag 240
tggcttgctg ttgcaggctc cttgagacag ccaaaaactg acctccagta caattttcag 300
gagaagtggc aagaatggac atccacctcc caccatgtga tgacatggaa tttttggcca 360
ggtacggtgg ttcaaaccta taatcccaac actttgggag gctgaggcag gaaaactgnt 420
tgagcccnan aagtttgaaa acagcctggg aaacatgcaa aacattaaaa cttgagatcc 480
aa 482

<210> 273
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 273
gccaatccta acccagatca aagatcctgg gacagctgga acaggcatgg cctaatggaa 60
ctcccaagtg gacagggcca agcatggacg gacagagctt ctgaaacagt cctcagaccc 120
cgtgcatctg gatctttctg taggaaccac ccatcagcag tgccagacag aaccaagcac 180
atgcactgat ccaccgcacg atgggagctg gtgtgggtga gcttgtttgc tttagccatg 240
cccacagaca ggaacagaag agcacagtgg aggccaccag ccctctcgcc tgctatttca 300
aaaggggttg cagcagggct ggaaagcggt tcccactgtg gttgcccccc tcctctctgc 360
ggcacacaca gacctgaaaa taaccagaga gggactgtga gctgccagcc taaaacaagg 420
aagnttgcan aaagtcctag gctcagatag gagagtttaa aagaatgttg aaaccgaga 479

<210> 274
<211> 490
<212> DNA
<213> Homo sapiens

<400> 274
cccccgttgc cactgaaggc tgcatttgag agatgcccaa ctgactgaga cgagaacaga 60
ggtgctaccc tggaacctgg ccacaaggaa gccctgatgt gtttacagtg tgagcttgcc 120
cacaacttca aattcatcac catcatgctc taacatcgaa gtcctcacgt gcctcacata 180
aggaagcaca atttaaacgt cataatagcc aatgatcatt aatgtttact gagctctttt 240
aaagcagaag gaactatggt aattgcttcc catgcactac acactagtta atcctcacag 300
ccaccacccc tcatgttaga tactattatc attcctattt catacacgaa gaagctgagc 360
ttcagaagtg gttaagtaac ttgctagaga ccaaactgta aggagtaaaa ctgaagccta 420
tgggcctatg actcctaagt caagactcag agccactctg cttatgtctc tcataaaata 480
tatttcatgg 490

<210> 275
<211> 344
<212> DNA
<213> Homo sapiens

<400> 275
gacaagccac gccaaggcca aagctgaggc agcggaacag gccgccctgg ctgccaacca 60
ggagtccaac attgctcgca ctttggccag ggagctggct ccggacttct accagccagg 120

tccggaatat cagaagccca tggaagccca gggagatgtc cctggggcag acactaaggc 180
aggtgttgaa gacaagctgc ttgtcaagaa gcatttcccg gcaagagagg ggcaagtctg 240
gggctccaac tgggtacagc ctgggtgcag ttataagccc ctttggctta cttggtagaa 300
gatggctact tggatgtacc tcacttaaag atgttttgta ccac 344

<210> 276
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 276
ggctgancac agtgagtcac gcctgtaat 29

<210> 277
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 277
gagaaatacc atattatccc cattttgcag atgaggagac agaagtggag agaggtgaag 60
tgacttgctc aacatcacac agttgccttc ccacgtgtgt gagaccattg ctgtggaaag 120
aagccgggcc tgacttcagg gatctggtgt gaaatgactg gacccatgcg ttctgagtaa 180
acaagagagc cccttctggc ttctccggga ggaaccaaat ggcttcagca ttcagctcca 240
aagcccgatg gagaccaaga gtgatacact gtactcatga tcaactgctc agttctggtt 300
tgggcctctg agggctgatg gggtttggca gaacctccag cacaatgttg aatggaaatg 360
gtgatagtgg gcatcttgtc ttgtacccag tctcactatg tggaagcttc actatttcac 420
aatgaaggcc cagaccggng actcaaacct gtaatcccag cacttttgga 470

<210> 278
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 278
atgtgttggc tggagctgaa gcagacatat tggaccatgt ggtgacaacg agaattgagg 60
ccaccatggc aggacaaggt gctgcagtga ataccacaga caactatagt ttcaaaggtt 120
ttctaccagc aaaagacaag aatttttgaa gacactggga tataagaatc cagcaaaacc 180
tgttgcttgg gcttttaatt ttacgtctgg tctccaatgg ccttgtatcc aaccattggc 240
ttaggaagaa ttcttgtgac ctgatgccaa atctaaagtt tgttgtacag gagcagccca 300
gatttggtgt gttcctctac acaaggaaca attgcctgga gacatgattc acagggagga 360
gggagtgcct tcctagaaga gctatcataa aaagggtaca caagtagatg ctcaatcagt 420
gctgactgga atgaaaagaa ccaaagggat gaaaagaagg aatngaagnt ttgcaaaaga 480
tgaagctcta natccttgcg acag 504

<210> 279
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 279
gagccagtgt cctgggctaa acacaagagt gctgattccc actgtaagtt acagtgaaga 60
acttctgcta tctgagggca tgtgttttca tcttcaaaaa aggatggaca gtccccatga 120
accttccctc tccaaccaca caggccttgc ttctggacat gcagtgataa ctctctgttt 180
gctggatgaa gatcatgttg gctctatgca cattcagata accttctaca ccagacaccc 240
ctggtgattg ctctataaat catattggcc aggagaaagg atgttcagtt ccctaggctt 300
ttcatcatgg tcaattaggg aatcagccca aaaggtcagc atcactgccc ttaaatgang 360
tcacactcca tgcactctga gtaccccgga aaagctgtgg ngctggtgat taatgcatgt 420
gtccagaccc tgggtttcaa cgaaggcaaa tccctggcat acaatnccaa cttggctctt 480
cttactgggg gggattcttc gagctgggc 509

<210> 280
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G

<400> 280
gtggcangta aataaggata agagatgata gtcaggcacg taggttggaa ccaagctgca 60
cacaccgcac agtggagaga gacctgatcc tgcttagggc agagtggggg aaaggagcca 120
gggcctcctc ctgctctgat ccccaccagc tcatgacctt ggaccagccc ntgacctcgc 180
aacctcgcag aactgaaaaa ctctatgntn tgnacgnacg atnangagng ancttttgnaa 240
attggtnctt aaacttggaa gtgcaacaga agactggaga cttcacatag accattgggc 300
ccttcgccca gagtttctga tttagcaggt ctgaggtagg acctgagaat ttgcattttt 360
tgttaangnn tccaaaanga nctngannnn ttttcntttt gggaanaaca cttttaaaaa 420
actactgttt caaaaacaaa aantttggtg gttttaaaag gatgnggaac aaganaactt 480
tttccaaaag 490

<210> 281
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 281
gttcagccan ncantggccc tgngangaca ngnnaagncn ccngnctcgn nctgggccct 60
aatgaaagga ctcaagngan gccacccctg ttagcgcgct gagaacatgg cttggtgtgc 120
tcctctaact tggganagaa tagggctgtc tgntgtctnt accgcanagg gctnacatnc 180
nctttacggg atccgnntcn gaggannngg gccatttctc ttcccttatc tgtttatgat 240
gcgatatgtt ccaaagccga tcacatcagc cgctgttatg gtgaacggaa ttcactgtga 300
tggcggctgc accagcagag ccgcgtgggc ttcatgccac gttacgcgga gtctangacg 360
gcctcacccc gctggctcgg gctcccctctc actggggtac acatttatcg ggatttatgc 420
tttaaaacaa gtagttcaca ttttttttaa tgggggaaag tacaanaact ttccattttg 480
gcggngngac ctancaatgg gcttaacttt tgtttttttgt 520

<210> 282
<211> 386
<212> DNA
<213> Homo sapiens

<400> 282
gagcaggaag ctgcgtggta atcccgcctg caaaagctgg aagagagggg cggaacgaaa 60
gaaccaatca tgagccagag acaaagaaca gagtaaccaa tccttgggtt gaaaatgaag 120
tgggatggaa cctgggccaa atagacactt gaaaaaacaa atggaaaaaa aaggttgatg 180
taagtcccac cctttagatc tcctatagga caggattgtg gagaatttgc tgtcatatcg 240
ggacaacctc ttcaaggggc ggggcttagg gaaggggtgg ggtcttaaag tgggcgggac 300
ctagacgaag aaggcggagt ccaaatcatc actggtccac tgatccgaga tgtccaatat 360
cccacttaag atgtaaagtg tggggt 386

<210> 283
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 283
caataactat ccaccttcga caccttgtgg accatgaaaa cctcaaggat agagcaaggg 60
ttattcatcg ctgtatcgct ggtatccagc tccatgcctg gcccagatga gcagctgaga 120
ctcaagatat tgtttaactt gcgcatgttt gcataggtag taacagtgaa gatgggtctg 180
gagcccagcg atctaattac tactcagaaa cacctgtgta tgcatcgtgc tctcaattct 240
ccacctcctc gttccaccac tgctgctgct gctgctgctg ccgccctatc attacaaacc 300
agctcagctt cctcatgggc ttgtatttaa gcgcctgcct gtcacaccaa cttactacag 360
ctaaatgatg atgcaaattc tccaggnttg catcaaccnc atgaaaaanc cnccaccttt 420
acttaanttt ttttttttaa aaaaagaaaa aaacaggang gagcttgttg ctcaactgac 480
ctaagcttt 489

<210> 284
<211> 181
<212> DNA
<213> Homo sapiens

<400> 284
aatctttgag tccacgtgga ggaaggaagg agaagaggag aagactgttt tccaggatgg 60
aaagggagcc tcgctttctc tttaggtgga ttacagaaat tggttgaatt ctccctgccc 120
tggagaaaag tcaatttatt ttttatgtta aagatttagg ctcttcctga gggctactat 180
g 181

<210> 285
<211> 319
<212> DNA
<213> Homo sapiens

<400> 285
agaaaccaat cggacacatg gccgtggcag ttaattctat aggctcccca cctggataac 60
acccaagctc aatgcagccc cacccaaagc caatacctttt tctccaacct gccccttctc 120
ccaggaaagg gcagcctgtc ttctttggta ccccatcatc cacccaatta cccagagtag 180
aaaattcagt attatccccc tatctaagca gtcgcccagt ctggctgcat ctactttctc 240
aatctgtttc ttttttgtcc tcctgtagta tcttaaaaac ataaagggaa aaagatataa 300
atgccaagca aaggacttg 319

<210> 286
<211> 230
<212> DNA
<213> Homo sapiens

<400> 286
cagaaaatgg ctcctcaatt ttctatctca tgtggaggca acatttctgc atcagattca 60
gcctgtgggc aaaggaatga ggcttcttct acgatccttc aggctggccc ttcctgaagt 120
agcaaagcat gtgtcattat aaaacatgat tgtaactcct ctttcagtgc cactgatttt 180

gtcgtgtggg aaatttttgg caggttttgg caataaagtg tctatcaagc 230

<210> 287
<211> 329
<212> DNA
<213> Homo sapiens

<400> 287
agggccacca cagatccggg catcctgatc aacattcagt ggcaagcctg gaggggcaat 60
gcttgcctcc cattgtatgg caggccagat atgttcctgg cccatcagaa gcctccttct 120
ggatgcagtc tataagccac tgtgatggat gagaagagcc caggatggag gtgaaagtct 180
ggaactggaa tctgagccct tatttttctg actcactgtt ttaccttgga agaatcactg 240
aagttttctg catctctgtt tcctcatatg tttaaaaaag aaagcactta accttggtgg 300
atgtgaaaaa taaatgaaat aatttctag 329

<210> 288
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 288
gaaatgcatc ttatagcaga gagctggcta cctgccaaac caaacaatcc ctgagactgc 60
ggcagggctg ggaagcaagc tgagctgcca cgctgctaac ttgtcaaaca tacataccgg 120
ctttgcttaa caacaatgcg acacgtgcct gctagaagcc taaggaacca acatcagaag 180
acagatgagc tataaatact tagaaagagt acaatccctc gatcaaccaa ccaccccaaa 240
ctttcttcat cctgttcttg aagaagtgct tctttactgg gagcgtgaca cattcagacc 300
taaggagcca ctgagaaatg cagcaaataa agcatagaga gcacatttga ataaaaggac 360
cagagaacca ggaaggaaca tcaagacatg agatctacag aatcaaagag aaagccctca 420
cattatatca tgagattnca atggcagaag gc 452

<210> 289
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 289
gtgaatccca ttctcatttt tgcagtatcc aagagctgga tgcctacatg atgcagtcca 60
cagtggctga gcaccttctg tccctgggat ctcagactct gcctgccaca gagcagatga 120
ctggaaaacc ctccccactt gctgtcatca ttcctgaaag gtcttcaggt gtgccagcaa 180
ttttcagact gaatatctac accagaaaag cacataacta ccatgagcat aagacgtggg 240
agtgccatgg agtgaccata gaagtataga cagtaagatc acagccagat acaacttctt 300
gttttataga tgagagacct gaggcccaga aagaggaagg cacttgccca tggtcacaca 360
gtgagttagt gagactggag cccaactctt caggggtctg ggctggggct tanccaaggc 420
tggttaggca atnggctttc ctggggttct gggcaaatca ttttttgcct actctg 476

<210> 290
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)

<223> n = A,T,C or G

<400> 290
gtcctgctga ggatccctgg tgcccagtag ggaacaccgt gaggaggagg attaagaaag 60
gcacccttc cactgatttg catcgccatt tgtacatgga gtttggctac agcaaaatcc 120
gttgctatct caccagctac aagaagcaaa gaacgaattg caattcattt ttgtgctcta 180
ggacccggtt gaggtctcct tgctgacaaa aaaggaaatg acttctgaag acatgaaaaa 240
aaaaaacagg gngaanacaa attgggttan aataacccat gacctaaatc attanacttt 300
gactaatgaa naactgcctt ttaacagagt taaaattgac agcaccatgg cctcacaccc 360
aacaggggtt tgaggctgga ccctttnttg acaaacgatg cccttgatta cccncaaaat 420
acccatcaca gcattattta taatattcct ggccaaag 458

<210> 291
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 291
gaatgcagct gtcaacagct attctaagta ttgttgactt gggtgaggag atttgtgtcc 60
atgtttgaaa atatgacatg acacgaagca aagagaattt caaaactcct gaccaaagct 120
ggtacagaga aaaactgact gctcaaagaa ctccatcaga tctttccagc aatctgtgca 180
tggagcgtgc acttgaaaag caagtgtgtt ttgagtgagc aggaggacag attcagccac 240
agagggcaag gagatcctcc tgttgccaca tttggaaggt gaaccattag ctgccttcct 300
ggcagatgcc tactgggggt ctggagcttg gaggtgacac atggagcatg tcctcctcca 360
ctttcttcct ntgtcagctt ccaagaaaac caganctgga aatcaaaagg ataccccaga 420
ggggcagtag ggccctccca natggctgan cagatgctgg caccatgcct t 471

<210> 292
<211> 349
<212> DNA
<213> Homo sapiens

<400> 292
aagcttcaag gactgaatcc tgacaggaaa caggcacctc caggattctc tccccagcag 60
aagattactt caagaccgga gttccctctg gactgactgc aagattgaat gtgattgatt 120
tgtaacctgt caggtccaca atggtgccat ggaacaataa ttcaagataa gccatcagag 180
caagtcacac catttggcac ctcctagccc ccttcctctc ttgcattcca agcccctctt 240
cttaaaccct tgccgtctct ccagaaattg gaaattggca atttttggaa aggattccag 300
ccactttccc cctcgctggc aacggataat aaaaatcact ttttttttt 349

<210> 293
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

<400> 293
aaaaagaaca aatcacctgc tgcctcggca ggacaggatt tctgccnntn ccacctgtnn 60
gcagccgntc atggcttcca gacaaagtgg gggcccgggg cctgcagaac agtcggccac 120
attcaccagc ctgtctctcc tctggacctc ttggcacang cttttactct ccagactgtg 180
tgtgtttggt tgaattgaaa taaacacagc aggattttgt tttatt 226

<210> 294
<211> 217

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(217)
<223> n = A,T,C or G

<400> 294
gtaaatccaa gagtcaccaa atctttcagc ttttcagcta aagaaagaaa caagtgaagc 60
aatgggcaga aagtgntggn tttcattacc nagagccgtc ttcttccagc cnaaatgtaa 120
tttacatctg agtgtttggg ttcatctgtc acacgagtat tatacaaccc caccacttac 180
cctgaaaata aatatgagct cctcattcag gtaaatg 217

<210> 295
<211> 407
<212> DNA
<213> Homo sapiens

<400> 295
ttggtgaccc tgaggcacag aaagctgagg gaatttgttc gaagtcacac agctgggtaa 60
gaaagttggt ggttggttgt tgccactggc ctacggcttt tgtccagaga agacgggaat 120
gggggtccag ttacccaacc ccttcagaac agatggtttc tcatgcccat ggaccttggt 180
tacggagtgt gaacaggatt ctcctaaata tttcaacttc ggaagaccgg attgaaagtc 240
atctcaatta agcaaggact gagagtgtgc aaatattatt tgaacgttgg ttaacttttc 300
cttaaatgga aatgaatgag cagtaaagtc actttgatga atcttataca gagcctctgt 360
cccagagtcc tgaaacttca cctgatggtc ataaaagaat caaaagt 407

<210> 296
<211> 498
<212> DNA
<213> Homo sapiens

<400> 296
tgggagaggg ctggaagtcc attccaacca cagaatacag tcccttcatg gaaggaaagt 60
aatttaacag caacagtcca ggaatcagac aagctacggt cccagaggca agcgttggag 120
gggccttctg ctccacggag acactgactc cacgcagggt actgaccagg gcaggggacc 180
agagatgaat caactccagc ccgggagctc accgtccagc aggggagata aggcagatgg 240
aaaagtaact ataaaataag gcagacggtg ataagagtta cacaggagat acagatagca 300
ggcagtggga gttcagagca gagaggagtc tgggggatgg atgttagggg agattcagat 360
gaaggggagc acttactggc tttcctcccc aagaggtgcc ctaggatcca tccagaaaga 420
tcttgcggag cccacagagt cccaacggga acttgtgctt cttggatgga ccccttaccc 480
atactttacc cactttaa 498

<210> 297
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 297
actaagagtg ttcaaagaag aggaatcaca ctttggccag cagtatacct gcagccctgc 60
ggctaaagtt tgctgaatga gaatataagt gggctctcat tttgaatata aggaaaatct 120
gtaccagaaa tgccaaacaa ctgaattcaa aatgaatttc ttggaactca acactcaaaa 180
tcagagatgg ttcagagaga aggtatctac tgctaatttc taactaaatg aaagggcttc 240
tgcttctgag agcaatgata cccggaacag gaacgaaatg ctgctagaga acagtgctgg 300
aagtgtgtcg acnaaactgg cttcttggtc tagtctatgc cactttccnt ggataatgga 360
gagnccatgc tanggggaga aaagccaatc ananggcttc agctgggncn gnnttaaang 420
gaatacatca atgggaccgg g 441

<210> 298
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

<400> 298
gactctgggg actccttctt aaatcaaact gaaggacccc agccttttt tcgccccgaa 60
agaattaang tcgggaatgc cttcccnana attngangga ngtnccgntn ccgggggnc 120
atttttcttt gtgggggtca attggggcgg gtggttggca ataacaaccc aaaatcttgc 180
ggaatcttgt ggctttttcn tcaaaatggg ccagaaggac gaacaagcac ttgtttcccc 240
aaggcatttt taaaaaaaaa gttccggagn aaccaaaact ggtcncagga gggatgaatg 300
naaattcact gtatcttaaa ggggtggggg naagcctgat gcccctnctg tattagagcc 360
cnccatgatt cttacagntn gggggggaaca acataatgcc catacatgaa nctggcttgg 420
gggctttcat ttttncccaa gaaaccaagg aaggggactt taagtcattn cccaaccaat 480
cgctttgggt tcangtttca tttcaanctt ntnttttggg acccannnaa ttnttgataa 540
aannaanccc aagcttcttt nttttggggg gatnaaataa tttaattggc ctt 593

<210> 299
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 299
tgggggctcc tgctttagtc cgaactnggn tntngttttt tttnaannaa actngggcct 60
ngcttttatg gtttattggg ccaaaaanan cttactgggg aacctttcc cnaccnccag 120
gcttcccga gancttccac nattgaaaaa ggttctaggg ggcgcttaat taatggatgg 180
tgggatcctt taagggagaa aatcaaaggt ccccccttag agggacattt gacttcttcg 240
tggcagcagg gggggaattg gattgggagg taaagaaaga agctgtgagc cccagaatga 300
attnctggaa ccagccccaa gaangnggaa aggtgangga accagattct tagaagatga 360
cttangggga ataagccagg agcttaatcc acttctggng agactctttt ttaagaaaaa 420
aggngctcca aaatttnccn atcccaaatt taagtnttga aaagccaggn nttttggttt 480
ntaatgnngg gaggnaaata atttaaaaca tttccccccc ttngaagggt taacccg 537

<210> 300
<211> 270
<212> DNA
<213> Homo sapiens

<400> 300
gagagaaaat aaaagctcag agaagttaag cgacttgctc gagaagctac aaagtggggc 60
agcctggact tgaacacaga cagtctgact ccaaagccct ccaaagatgt aggttaattt 120
taacctacat ctcccagaaa atgagcaaca aaggatgtcc agccctccag caaactagtt 180
taagaaagaa actgtctttc ttttcttctg tacttgaggt ggggtggggg cagggaataa 240
acaataatca tgcatgcgca tgatttaaac 270

<210> 301
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)

<223> n = A,T,C or G

<400> 301
gacgtctggg gagctcctgc attaagtcag aaactgagac atggagcctt gctatgttgc 60
ccagggctgg gtctttgaac tcctgggagt caaagtgnat ccttcctttt ttggccctcc 120
ccaaaagcac tggggattac aagatgtgaa gcccact 157

<210> 302
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 302
caagaaactg agaaatgcct acccgcagga aatggggntg ggctttttt agccntgctg 60
gantgtgaac aactggtgga atggtgccct ggcaaccaac cangggaaaa gggcaaatgg 120
tttattattt aaagggtgga attttctttg gtggaaccaa aaaataaaaa ataccaaaaa 180
ttttaaccct tttctttttt 200

<210> 303
<211> 284
<212> DNA
<213> Homo sapiens

<400> 303
gatgatgaaa ctcccatggg gccagccaca gcagtaacca gactcagaaa tggacattct 60
tcacactgag ctgcatcaac ccagggagaa gaagaggaga ggcaacacgc catattttct 120
aatgagttaa agcctaattt aatctggaaa taactaatgt tgactagtgt gtttccccta 180
aaataattgc ctctgatggt caattttata gctaaaccta aaaaagatga tttaggaaac 240
actgagaagt tcatccctct tcccacaata aaaatatact ttgc 284

<210> 304
<211> 353
<212> DNA
<213> Homo sapiens

<400> 304
aggactgaga ggagaaaatg agacactgag tgggactcag ggattgctcc aggccacaca 60
gtcagcagga ggcaaagccc agattcaaat gcagattact cagctccaca atccacatcc 120
tcacaggagg ctgcactcct tgcccaagcg tcagacagga gcaaagagaa agaaggcaac 180
cagctggcta ctttcttccc ttcttggatg cctccaacag ggtgagaagg actaaacaaa 240
tgaccaagtg tcatcccatt ttggacatac ttaaaacacc ccatggaatt tttattctga 300
ctttcttctg cctgtgtggc atttatgttt aaataaaaga gaattcaact cgt 353

<210> 305
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 305
atcctgcgng gtgtggctga acttcccacc cangganttg accagacttt gtcaacagcc 60
attcangaac tggcacaatg gactcacaga taagattcca ggggaagagg acatgttgtc 120
acnaacactt aggacttgaa atcctggctt gtggaggata gcatgacctc ttctcagatc 180
tgcaaaaatg ctgatgggca gattcaaaag agtcaacaat aacttcgctc tgacttggta 240

aaaactgctt ttggaagaga ttctgtttgg gaaatttgtg ggcctgagtt accagtcatc 300
tgttcctgcc acaataactg tcatcattgc ttcgaagcaa tgtttggctt ggagcagtcc 360
cgaatgagct gcctatcaca tgttgaccat aaaataagaa gaataaataa ctggcacaaa 420
ctg 423

<210> 306
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 306
ataaagaacc ctcttaggat ggtgaacaga aacactgaag ctgggatagc cccctgtcag 60
gggccatttg tcatttccac aggccaagaa cctggacgct gtccccacat tggggaaccc 120
tccaatgcat aagccaaatg ggaactggaa acacttcctt gttcccccaa ccccagggct 180
ctctctgcct gtcacacacg cctgccccag cagtggaatt cagagtccgc gaacgaagca 240
gcaggaactg ggcggcagtc gctgtttcaa gattcaaaag caccagccca aacacaaaac 300
cagtgtgtac tccgtggaca gaaagttctg agcagcgccg gtctagatga attattaaat 360
tgnnnannat tctnncaagg ngtanccccc attggaaccc agttttatta ntncccgaaa 420
tatattaaat t 431

<210> 307
<211> 333
<212> DNA
<213> Homo sapiens

<400> 307
gaagaagcac cgtgggggac tctcactgca aagaagaaca ggaccattat caacactcct 60
cccctctgtt ccccaaagtc ccctcctgac cgcagcatca atcttccacg ctggcccggc 120
cggaggtggt gccactggca gatttaaatg agagcatgaa ggtgggacct ccattactgg 180
attagtgtcc ttataagaag aggaagagac cagagctcac tctccccacc acgtgaggat 240
acagtgagaa ggtggctgtc tgcaagccaa gagccctcac ccaaacagaa tctgctggta 300
tcttgatgtt ggattttcta gcctccagga ctg 333

<210> 308
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 308
ctgggtttcc ctatccccgt gggcacgctg gtgtgccgtg tgttcttgcc aatggaatgc 60
aagtagaagc atgtgccatt tctgagaagc cagataaaac atgttaggcg ggctccttca 120
tgctctcttc tcctcttctt tctggaatgg cgatggccaa aagaaccttg gaaggcataa 180
actgaagaca gcttttacca cgaattcttt caagaagatg tgaaaaagat ccacccctca 240
acctgacact cccaacctgg actgttaccg tgaaangaga aataatcatg tatttgngtt 300
gcttgagcnt ttaacccttt tngntaaaag gtaaattgct tgagacttt 349

<210> 309
<211> 157
<212> DNA
<213> Homo sapiens

<400> 309
gtgaagaaac taagaatcag aggagttcta actgagccat gaggactcga ttcctgaaaa 60

ccttatttat aaaaaacagg aatgggaact aaaacaaggc aacctgtgca agcccttaca 120
agtttttcat gtattacagt aaaaggtaaa gcaactc 157

<210> 310
<211> 217
<212> DNA
<213> Homo sapiens

<400> 310
gaatgtgctt gccctccact tcctctctcc tcttcctatg gggctggaaa tatgtgggat 60
ttggagtgag ccaggttcca caatgctgat gagtacaata tttcaggaga cagcagaaca 120
gcatgaagaa agaaacctgg atctgcaagt gcccagcagt gagcagaccc caccaacact 180
gggccactgc ttctggacca tcctaataaa gtaatgc 217

<210> 311
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 311
tgggccgtat ntaaaaagnc catgtcnaca gcnnnnnngc nanccntnat ganaaaantg 60
gaaaantnag ggcctgntng gagcnacccn aaatntttct attcttccgc anctgccnat 120
nactgnnggt agangnncgg gagcancatc ctatgaagaa aggaactagc tcactcggta 180
nnnggacnac natntttnat cctttaaccc tcaaggggna gtcattctcc tgactgctaa 240
ccttactttt gtaagctcct tgaacacaga tcactaagaa ttctagagga gctattccca 300
gaagacatac aaagactgcn gatccaaatg actcaagagg tgaaatgtaa tgtatgctgt 360
ggtgtacttc tcagatgcct tcaccttagg tctgaaatac tcattcccca acaatgcctc 420
catgctaaaa agtgttggta actaatgggt ctcaactgag cccctctcta agcattaccc 480
tggagaagcc canccaaagg gtaccttacc caaagancac acccgtatcc ctggagtcag 540
ctcacattca ntggactgnt caaagcccna gcantaaanc ttgggggcag aaattaatgc 600
aagggaaaga ccnctttga aaaggcccng attncctggg gaactggact 650

<210> 312
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 312
ctnaactgat ggacttggct agnccgctgc canccacatg gagtgggagg atcacggagc 60
ctgaagctga gaggccacag cactgcacct gacatatatt accaacttgc catgcaactt 120
catctcattg actccgcatt cccatttttt ggagtggatc acctgcagtt cccttgacaa 180
ctgagtgtct gtatttttct gtatcgtcca gtgtgatgac aactgtctac acaaccaagt 240
ctggccagca ctgaacacac tcagcttccc cacagtgctc caagtctcaa agcccaaact 300
gcagccaaat ctttggcagg ggttgncctc tggtcaggcc anaacacctt tnttgaanga 360
cctttctgaa catttttaaa ccattcgatg aatgacccta aattcttggc gcataatttg 420
ggactgntgc catcacgcca gaaacattta ttaaacactt actgngtcag ngctcaagac 480
ctgccatctt gnttnatntt gacaacagtg atgcacaata nggggtgnca tttcccgttt 540
c 541

<210> 313
<211> 295
<212> DNA
<213> Homo sapiens

<400> 313
gcccttcctg cttgctcact ctgatgatgc aagctgcaac cctgtaagct gttctataga 60
aagacccaca tggcaagtac acaaggatgg ctttggccaa cagcctgtga ggaactgaat 120
cctgccaata tccacgagta agcttagaaa cggaagttct aagctcccta ctctggcctg 180
gagatgatac tgaccaacac cttgaatgca gccttgtgag ggaccccgaa ccagagaccc 240
agctaagcct tgctcatatt cctgacccat gagaacaatg agatgataaa tgttg 295

<210> 314
<211> 161
<212> DNA
<213> Homo sapiens

<400> 314
gttaagatct aagaacgttc taaatctctg ataggatttc tttcaagtta agaatgaaga 60
gtcaaaaagg aaaaaaaaag aagcactttg ccaaagacaa acctgaacca gcaacagagg 120
aataacagta aaacatgcaa ttaaataata atcaaatagc c 161

<210> 315
<211> 277
<212> DNA
<213> Homo sapiens

<400> 315
gacgcaagct gacctggtgc aacgaagctc ccatccaacc aaaatgggcc agattgtggt 60
taatggacct taccaagatt tcctacagac accacaccat cgggattatt gattggaagt 120
gtacgccact acacttgact gaacttgaag ttgtagactt tctcaaatgc ttcaagaggc 180
atttgatagc atcattgttt ataaacaggg aaaaactgga ggaaacctaa atgtctaaca 240
actggaaaat ggttaaataa attgtggtac agccatt 277

<210> 316
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 316
gtacccagtg cacgtcctga tctccagctc tccagcggct tanaacagac acagaatggg 60
ccgggaccag ggacccacca gagacgtctg tagttaatag ctggcgctct tccactaata 120
aagttttatt gaaat 135

<210> 317
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 317
taccacgaca acagcctaac cccaactaag gtaaactctg ccaccaaaca tgcctgggaa 60
tggagaaggg tctgcagatg agaacccctt ctggttctat gattcaaatc ttcattcact 120
caaagcagga accaaatcca gtgctcctcc attgttggaa taaatgctct ttgcctgaat 180
gctatttgtg gtcttcgtag aatggagagt aactgaaggc cccaccggaa atcaatttta 240
tgtaagcttt tcattctctg gcctcaagta tttctaaaat gtacctttct atgcaggcta 300
cttattcagg caactatttt cangggaaga tactcaaatg aaaatagaga atccctttg 360
gccttttgct aatatttcat ttgtcaaaac tttgatagtc tgacaaagtc tttaccatga 420
gattggtaaa ctcacggaag ccaaactgtc tgggatgcga cttcaactnc ctacttacga 480

actncataat aatggcctaa cctgcctata cctcaanttn ccatctataa agacaataaa 540
agccctattt cctcaaaaaa ag 562

<210> 318
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 318
aaataacacg gaaagacagg cctgttctcc cggaactgac agtcggaggg gaaaaagaag 60
gaaggatgct gttcgaatac aaaggaaggg gatcttaccc aggctggatg ggagaataga 120
acatatggtg tttccattct ctctccagtc tttcaacccc atcatgtttc ctgccctgga 180
gagttgcttt gactatcaga gaaggcatac tataatggct tagttggagc aaataaagag 240
gcaggaataa gcctgtttgc tgaaaggagg tggaaaagcc gtgtgcagag ccattatcag 300
aagtacccac tggaccaagg ccttccgtgg nttccagcan aaaagtaacc ttgattattt 360
gt 362

<210> 319
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 319
aaagatccag attacctgaa gctgtggttg gacacttttg tttctagcta tgaacaattt 60
ttagacgttg actttgaaaa gctgcctacc agggtagatg atatgcctcc aggaatatct 120
ctgcttcctg ataatattct gcaggttctg aggatccagc ttctacggtg tgttcagaaa 180
atggcagatg ggttagagga acaacagcaa gccttgtcaa ttttgcttgt caagttcttc 240
attattcttt gcagaaatct atcaaatgtg gaagaaattg ggacttgctc gtacattaat 300
tatgncatca ccatgacaac gctctatatt cagcaattaa aaagcaaaaa aaaagaaaag 360
gccagcgagg ccaattcagc tnggacttaa ccaggctgaa cttgctcaaa 410

<210> 320
<211> 27
<212> DNA
<213> Homo sapiens

<400> 320
tgtttttaa gcaaaaaaga aaaaagg 27

<210> 321
<211> 207
<212> DNA
<213> Homo sapiens

<400> 321
agacctgtat tgccttaaca ctcccagcaa tgaccacctg caagcttgcg ctgcgactcc 60
cgtccgaaga catgcgggcc agtatgagcg gagaggttcc cagcaccgtc acaagaccct 120
gtgctattat tttagactca cctgtggctg ttgacaacac cacacacatg aaatgatgct 180
caccagaatc aaaatactca gctaaac 207

<210> 322
<211> 400
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 322
taannngatg tacatggact gatcagactt nctgaccttg ngacanatcc tgccagtaac 60
atgagaggaa atgagaacga ggctttggag cacagcattg gattgctcat gcagaacacc 120
acccagtgcc ctttccctct gtcacaatga acagccatgc tgcaggtgac ggctgctctg 180
tcaacatgga tccggcaggg cagatgagtg gatcccccag cggactcatg agagagcaaa 240
caaaaagtcc atatgtgttg tgctaatcca ctgagattgt gttggttgtt acggagccta 300
acctagccta tcccgacacg aggatcagac atgataatca aatgtgttta taaagtgttg 360
gatggaaata ttctgacaac attaaaagac tctacccaag 400

<210> 323
<211> 197
<212> DNA
<213> Homo sapiens

<400> 323
gaggcatgag gaggtgagag atggaaagaa tgctgtctgt catttggagt cagaaggaaa 60
agaaggttga gggtctgcca gctctgctct agtggttttt tcctgtttca ccttttacaa 120
aatcgagata atcgtttcta cttggtagcg atattgtgag gtgtaaaatg gattaataca 180
tgcaaaatgc ttaaagc 197

<210> 324
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 324
gtgaatggac cctgagaggg cccagccatg tgatggaatg agccatgatc cctgagtcct 60
cacctcaggg agagatgtgc agaagagcca cccaagtggt gatgtgctgg taaacattta 120
gtgacccatt tgaggtgtgg ggggaggctc taactggtaa catttgttaa tttctgtaat 180
gcatactcct actaaggctg cttttaggca accaacgtga tgtcactgaa cacagtttgg 240
aatggatgca cataatcagt tctcatgatc caggatgaac cagccctagc ataccactgc 300
ccctaaccca catatnactg ngcatcnttn aaaaataaac atattggggt taagcctttg 360

<210> 325
<211> 428
<212> DNA
<213> Homo sapiens

<400> 325
aataaacctg aagttctgtg cgcaccgaag acataaatga cataaatgtt gatggaagga 60
gaaggatttg aggaaggacg agagtctgag gaacaagaaa ggactgcagt agtgaaacag 120
cggaagaaac gagatcattt ttctcttata aaaattctgt aaacacagcc attctttctg 180
tatttgtaat ttgaggaccg actggagtta ttcctgagag ggctatgttc ctgagagaac 240
aaaattattg tttttgaaac tctagagaga actgctctgg caaaagaaat gtatcttttc 300
atctacagcc attctgaggt gaaagatctc atgatcactc tggactatac aacccacaag 360
cagacttcaa ggatacctac aggaacccca gtagtcctga ttgatcacac aggccctaaa 420
gaccctat 428

<210> 326
<211> 431

<212> DNA
<213> Homo sapiens

<400> 326
cagtctacta tgggttcata acaaatgagt ccccacattt acatcaaact acctcggcct 60
agtccttgtc ttcaggaaga agtacattta cactctacaa atcaacaaga aaaactctca 120
gaataggaag cctatgaaaa agctatcttt atttctcgtt gtgtaagagc ccatttctaa 180
tcctgacgta ctcccgtttt accaagtgca gtggcatgtg ctgtagtccc agctactgag 240
aaggctgaat caggaggatt gtttgaagcc agaagttcaa gttcaacctg ggcaatatag 300
tgagacacca tctcaaaaca agcaaacaaa aaagaatcat cacttgagtc ctttctcaac 360
ctcagaaagg gtcattatct cttcacctta caatgagaaa cctcaactac tggtcaagct 420
taacagctaa c 431

<210> 327
<211> 90
<212> DNA
<213> Homo sapiens

<400> 327
ggttgcagaa cgtataaaaa cacatgaaaa atgatcacaa cagtacttgg cacataggaa 60
gtactccgta aatgttggct gatccaccac 90

<210> 328
<211> 212
<212> DNA
<213> Homo sapiens

<400> 328
agaactgagg actcagacct gggagaacac gccactgccc agacacgttc agcgacagat 60
aaaacagtat aacattttgc aaaggcaaat tcctcctctt ctgctgtaga aaaacttggt 120
ttcttcttca tacacactga gtccttctgc tcataatgct ggtcctaaac accttaatcc 180
aaaagcagcc aataaaaagt ttttaaaagt cc 212

<210> 329
<211> 256
<212> DNA
<213> Homo sapiens

<400> 329
gtgtcagaaa atgccacaga gcacagaaga caagaagagc tccctgctgc atatattgca 60
tcttccgttg ggcacagttt cactgatgtt atctgtaaac agaaagggtg agacgtgatg 120
actcagccaa ccctccaaat cctgagggtc atctatgctg ccggaggcag aaagtgtcac 180
tcccgtttca ctccccgcag ctgtgttgtt tggaatttct gaagatttta tttttgatga 240
gcaactttgg gagacg 256

<210> 330
<211> 386
<212> DNA
<213> Homo sapiens

<400> 330
tgatggtcgc cccattgcgt atagaggaaa tggaggaaaa cttggaagta ccgccttcca 60
tacaaagtca aggatcgaga ccttcctctc cgtgttccag aatccctcag gaaatacgcg 120
catgccttcg catctagagc aagcgctgca agaattcaca gaacggccag aagttcccca 180
tcccgctggt ggcactcact gcgttaggcg ctcagcctcc agtccgggcc gctttggctt 240
gaagacggcc gttttccttc ctgatacctg cttctagtct ttctgcaact tctggattcc 300
tgtcattctt atacctgctc tgggcagcct tccattcatt ctgcgaattc cctgaagctt 360
ttcaataaat tgcttttctc caattt 386

<210> 331
<211> 200
<212> DNA
<213> Homo sapiens

<400> 331
catgcggaca ccaccccaag ggagcaatca ggagaagcag gcgcgcaagg ccccggaagc 60
atatgccagc gtagaagacc ccaagtcaaa ggtcaaacag ggcacttgat cactcaagtc 120
ccccgctaga ccccccttctg cgtgtacttt actttcgttc ctgctctaaa atgttgtaat 180
aaactttcac tcctgctcgc 200

<210> 332
<211> 42
<212> DNA
<213> Homo sapiens

<400> 332
ttggctagag atttactaca tccgtccttg gaagaggaaa ag 42

<210> 333
<211> 448
<212> DNA
<213> Homo sapiens

<400> 333
gtagatgggc cagacgagtc taagaggcag ctccgggcat ctctgagcat tgacttgcgg 60
acgttcccca gccctggagc tccatccagg ctgggaagag ggaggaccgt ggagattttc 120
atgagtgtcc cagcagtgag aatggactct tgccgggcag acagacacag caaggctctc 180
ctgggtgctg ggggaaactg aagctgtcag tgtcagctcc gaaagctctt tggagaggct 240
tcccaaggtg ggatgcaccg tggaccaggc tccaagtatc gtcagaacta ctggaagatt 300
gttttcaaga taatctggaa caggaagaga agacacaaaa gccccagaat cagagcagct 360
ctttgcagga atttgattaa ggaaatgaga cagggctgga tgcagtggct cacgtctgca 420
accccaaccc ttcgggaggc tggaggtg 448

<210> 334
<211> 246
<212> DNA
<213> Homo sapiens

<400> 334
atccccgctg tttttctgcg tgatgctgat tgctggctct ggttcccagg aggcgcccaa 60
gatcggatta actgccagct tcctgatgca cagccttgtt atcagcgcct atatccttgt 120
tcagcaaagt gcctctccac caacttaatg ttcttttcac caccccattt ctgcacgatg 180
tagtcacagt aagacacaga gtgtgcagtc ccgatcccag tgctacataa taaagatcca 240
gagctc 246

<210> 335
<211> 356
<212> DNA
<213> Homo sapiens

<400> 335
gcctgcccat ggctgctcat ggaacaatcg gctagcgttt cctcccctct gagatccata 60
aaagccggca gctcagccag agcagggcag agggcagagg acagagagat gatgggatga 120
cccgctgcag agaggagcta ccctcctgct gagagcttca gagacctgca gagacttcca 180
aatgatctgc ctgcagagat gagccacgct ttccagggct ttctctctgc tgagagctga 240
gtacttgagg agagggcctg cctaggagcc gacctgacta cagagaggat ctgcccactg 300
tgggtctctt ctgttctaac actaaataaa gctcctcttt atcttcttca cccttc 356

<210> 336
<211> 225
<212> DNA
<213> Homo sapiens

<400> 336
cctgctagca gagatgaata acgcgctgaa gaagcaagtc cctggagaga caggaagaga 60
tgagagagac ccccaagttg tgtgatcacc tccagcacac tggagactga gccgtttcac 120
aaggtgtcaa acctacattg cagcctgaag gatgtcttca cttcctcctg ctccttcgcc 180

ttgtatcctt catagatttt tcccgcaata aaactttgca tatct 225

<210> 337
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

<400> 337
atctttaaat taactaagga tgaggaaaag tttgtgttca gttcaagatc acaatatatg 60
gagaccaaag agctgggtgt aagtccaggt tctagccaaa ctgcatcagt ttcctgccct 120
tggaaacaaa tgaaagcaca gagacactca gagaaaagct gccatcagca atacatattt 180
caagcggaga gcaatggcta acctgcttct ttcgggggcc caaaggaatg ctgccattgg 240
aaggcacttg acgagatgat atgtgtccca gcatcagtat catcattccc aggtgaaaga 300
cgggagagag ctgctctgtg tcacaaccct gttcttaatg ctactcaata aatttctatc 360
tggcttgagg gcaaagaact tgacacaatt tacttagaat ccnaactgga aataataaaa 420
atctttcata g 431

<210> 338
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 338
gctggagtgc nanggcacaa tcttggctca ctgcnaccaa gagaagaggg ggaaagaang 60
ganaaggggn ggaaggaaga tggaagagca ggagctncaa aaaaactntc cgctttgcca 120
cctggaatgt ccacccagga taaaaagatc caagctcttc tganactgnc ttttgacctt 180
ctanaatgcn nagacaggac ggngattgtg ccctgaaaga tcctcccaat aaagatctcc 240
cttt 244

<210> 339
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 339
gacccgcatt aagtccagag aaggcagcaa agctggtaaa gaaatactac aatccttctg 60
gagaccagaa tcctgacttc tggatgtgac aacaatctaa caggattctc tgatgcagac 120
tagcaggagg tatgaacacc cctcccaagt cttcctctgc caatatgaaa agctgctcca 180
caaatcttgc ccctatacgt agagggcgan tgaagagaac actgatctca atttcaagaa 240
gaaactaaag aacatctnca gatttttctt ctatctgaag agtcaaaact aattaaactg 300
caataacttt ctaccttgnc ttcaaatctc tttacgttca aaacttccat taacccattt 360
catataatct ccactacc 378

<210> 340
<211> 239
<212> DNA
<213> Homo sapiens

<400> 340
atggcggcca tcaatgttga ttcagaagtg aagccaaaac ataatttcct ggcactattc 60
tggaaggaaa ataagtgaga tagagtaaag atgactacat agccaattag aaaaagcaac 120
taccacctcc actccaaaaa agtcatgtaa ataacttcta gtctgtgact cgtcttcacc 180
attctgtgca ctggctttaa aggagcgttt tacactcaaa ttaaatattc tctttgctc 239

<210> 341
<211> 308
<212> DNA
<213> Homo sapiens

<400> 341
gcacatattc atgtatggtc actttaacgc agtgctaccg tctgagacgt gtcggacaaa 60
ggcctgggca gaggggctag aaaccatgta tcaccaaagc caacttcttt cccagatttc 120
agaattgctg gttcaactgc aaaagtagga aggcaatgag taatttctgc tctgctggac 180
tagattacca ttaactacca tcatgacttc agaagatgct gtcacgatga aattcatttc 240
tgctgcctaa ccccataata aggctggctg ttctctttaa gtaaaatgac taagctattg 300
atcttttc 308

<210> 342
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 342
agaatcagaa aatcaggcaa tgcagagaaa ggaagagcac tacctccaca gagcagaagg 60
aaatccaggg aaaggctggt aggaaccagg agctgaagac agagctgtgc gccttcctgg 120
ccatcctcct taaatctgag atgggaatcc agccattgca ccagtacatg gatctgcaat 180
ttttttcttc ttcaaaggac caaacggtga atactttagg catnggggac cataaagttg 240
ctgtcacaac tattcatctt tgtcactgta gcttaaaaac agccatacac aataggtgta 300
catgccaaat gggcatggca gactaaaaag actaaaatga caaagcctct atgaactagg 360
agaagaaagg cagtaaggga gattaaacng agctgaaaca aaaagggtga tgcataaaag 420
aaagagttgg aaaaagatg 439

<210> 343
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 343
ctaannngat taggcataga ccnaaantga anactctgga tgtggtggct ggctncttgt 60
gaagaagaat tcaatcagat tccatttgat taatctgcat tgagatccta gtatgtgtcc 120
gacactatgc agaaatactt cactccctct tccatggcag accacgatga actagggttt 180
gctgttttca cggcttctgt cactgttgga gctgaggctg aggctgcagc aggagctcct 240
ctggccccga ggcaagagac atgttctctg catccccagg ggacccaaag caacttctgg 300
tttgggttaa agaggacttg ggtgacccca ccctgccagt catccaccct ctggcagcca 360
gggcggcagc aggggagggg gcagaaggct gccacagngc ttctctcccc tgccatttcc 420
tctgcagctc cctctctggc cctgtttttc agacctctaa taa 463

<210> 344
<211> 352
<212> DNA
<213> Homo sapiens

<400> 344
gtcttatttt tttctactca tgagccaaga tgcagagagt atttctgcag tcagaggaga 60
gatggtcctt acaaattttg caattggaag gatgaggcaa aatgaggcca aagatgaaaa 120
aaccaaggcc tggataacta attcacagcc acacaagtat ttagtcgcaa aaaatggtaa 180
tagcatgcag ctctctctgt tcagtgccct tttcaggatg tgaagaaaga tatctgtata 240
aatatgagaa gtccttccca aataagtaaa gtaactggca taactgagga gctctttggc 300
aaatctactc tgtataccaa ctcaagaaaa acagggaaaa aaccccaatc tg 352

<210> 345
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 345
aggcaaaaaa caggacctag atctggaaat caaaagtgga agcagaaaat tgagcaatca 60
gcctaccang tcnagtgggg caacagacta cgctcacgga ttctgctcac aacancggga 120
ataacagacc annagaagaa ctgcagagca tccctctctc ccccgttcac ccgtgccacg 180
agcacgtgag tgcatccaca ggcagcaccc agtctcctgt tccactgact ccagcgtcca 240
ctcactgnga gcctactaag tggccacatg 270

<210> 346
<211> 236
<212> DNA
<213> Homo sapiens

<400> 346
atgggaccat ctagttgcag gaaaagaagc tcaggggtcc tactgattct accttatgat 60
ccttcccttg ctactggcaa gatgtatgca tattccggat cccaggtctg ttgtcccctc 120
atgccatgtg gaagtttccc aagactatag agaaatgttt agatgtgcag atgccacaca 180
ctaattctta gagtttctac ggccattatg actaaaggga tttttgtata ctgttt 236

<210> 347
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 347
gtttggcttc cttgagacag aggatcttgc tcgcctcaaa gaggagggca gtttgccccc 60
ttcctcctga ctccaagaca aaagagagaa gactgaagag tgggatccag ggcctctcag 120
agttcacctg agctttccca agtctggttt gttctctcta ccctgctgct actactgcaa 180
gtgactttca caagatgctt ctgagcatag cattgctctg ctgtgaccac tgcagatgtc 240
aagagaattt ctgccttttg gaacttggac aatattggcc acctacccag agagaggaga 300
aggataatcc agacataaag ggagcttcca cccatccttt ggatctcntg ataaagagtc 360
atatacttaa agagccatcc tcacattcct gcccagactg tgagctgcat gagagaggcc 420
atgtctcatt ttggtccatt tt 442

<210> 348
<211> 443
<212> DNA
<213> Homo sapiens

<400> 348
gaaaggaaat aacccccgaa gcctttgcaa ctaaggacat gtatccttca gagaagtgtt 60

tactgggcaa cttcttcgtg ctgtaattga gtgtggccga ttgctcacaa agatgtttgc 120
aaaatccctc ctgtccccta actcacttct ccttgcagtg tcactctgcc aacttctcct 180
gtcggttggt gaagactgtt tctcctcccc cttcaatatg ggctgggctt gtaacttgct 240
tgaccaatag aatgcagaga aatgaaatgc agccttcaac attcaaggct atgctcaagg 300
agtctaaccc tgtggatatg ctgttgtcaa atgagggagc ttcgattagc ctgttgaaga 360
cacacagacg acccgacagg caataccaac attcaagata tgcaagttat gctgtcttaa 420
accatgctgc caagtgaact ttt 443

<210> 349
<211> 165
<212> DNA
<213> Homo sapiens

<400> 349
agaactgagg tgtttctctc caggatcttg ctacttattg atgacaccgt atcaaggcgc 60
cagagtccaa atggtcatca taagaaaaac tgcacctaac ttccacagcc tcctaggagg 120
cccagagaca tcactgtact tgcctgccat cctatgtggt gctgg 165

<210> 350
<211> 307
<212> DNA
<213> Homo sapiens

<400> 350
gtggggtctt tcaagccgag atcgcgccat tgcactccag cctgggcaac gagcgaaact 60
ccgtctcaaa aacaaagaag ctgtcattcg gccccagatt tgtgcctcga aaccaccacc 120
gtgaggtcgt ttcccacagt ctccgcggct tgggggctga caatcctgca caggaaaact 180
aggcgacatt cccaaatcat ccccttgaca gccctaattc tacttttaga aggttcttgg 240
taccatgaaa acgcaaatgc ccggtaaagg cagatttacc atgaagctaa taaagctcta 300
acctcag 307

<210> 351
<211> 286
<212> DNA
<213> Homo sapiens

<400> 351
gaatccgagt ttctgcacta ctggaaccac gcctcccaga gaaatcaagg agacaccaga 60
aaaacctcct caagggacag ggaaaaatca cggacaagct ttcttccctt ctcacctccc 120
cctaaaaaag cccagtgttt ttcttcccct ccagctatgc agctgcaccc agcagagaag 180
tactagatta gcatcatctg catttcattc cttttctttt gcaatagcta ctcgcctata 240
ataaacagac cttgtgctca agggagaatt tacttccccg tccagt 286

<210> 352
<211> 417
<212> DNA
<213> Homo sapiens

<400> 352
aactctgcag ttggtgtcag aagtaatggt gatcttgtgg actgtttcgt aactttgaac 60
agacaatgaa gaaagacact ggtaaaattc aataatactc tgcattctgc tggactaact 120
gctaccaccc aggctggtga tccataccaa gagactaatt caactggtcc tgtgacccct 180
actcaggaag tgactcagca taactcactg cacaaagaca gttttgacac ctctatgatt 240
tcatccctga cccaagcaat cagcagcacc cattccctag cccctgccca ccaaactatc 300
ctttaaaaac cctcatctcc aaattctcaa ggagttggaa tttgagaaat atttctcaaa 360
tatctcccat cctccttgct cagccactct gcaattatta aactctttct ctgctac 417

<210> 353
<211> 162
<212> DNA
<213> Homo sapiens

<400> 353

gacattgtta ccatttacct ccactggata tctattttct ttcaaaaaga agctgagaaa 60
tcttaatgga aatatcaaat ttctacatga tgcttccttg tctcttgagc tctaaaaaag 120
acaagaagaa aataaaaaga agtatctatt gttatttcat cg 162

<210> 354
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 354
acgangntgg aaaactgaaa gaaaacatat gtcaacgcat gtgtggaatg agactctcaa 60
ttcactctgc agctactgct ccagctaatt tagagcagtg atgacaggct tggctgggga 120
gacatggcca gccctttgga aatgcacatt ccctaaccat actgtaaaat ggtgggtttt 180
attaacaatg tatagtgcta acataaacca ttaaatgaag cccactcaat tctgc 235

<210> 355
<211> 227
<212> DNA
<213> Homo sapiens

<400> 355
gcaaagccct cctgttccca gccccaagtc ggttaaaccc atgttaaatc tataggttga 60
agacctggat cattcgaagc ccagagcctt gcacagcagc gatctgctcc aacagagggt 120
gatgtcatca tccgaggcca cacaaataat gcatttctca ccatcaaaaa gcctctgaag 180
ccatgttctc aaaggcaaaa aataaataaa taaataacca attaact 227

<210> 356
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

<400> 356
gatgtccgga agaggcaggt ancgtggaga cggagggtcg gcggggcaca agagaacttc 60
cagggccaca agcgactctg catgaagctg tgatggggac accgtgtcgt cgtccgtttg 120
tcggagctca cagaatgagc aacgctgcga atggctctcc tgtcagccgg gactttagtt 180
ggcaacagtt tatcagtcct gcctatcaac tatacaaggt cctggccgat gcaagacgct 240
gagcgcaggg aaactgggag gggggataa gggaaccttt gtagtctctg cacagttttt 300
ccgaaaatct aaaagtgttc taaaataagt caattaataa aaccaaacaa gagcttg 357

<210> 357
<211> 369
<212> DNA
<213> Homo sapiens

<400> 357
gaacctgctg gaagctgttc tgaaccagag aaggatgaaa atagctgcca aagatgttgc 60
catagcaact gctttccttc ctgacctcct tggaagttag tagttgactt tgcagttgaa 120
gtacttttct gaaggcagaa gaggctgtca gccattttat actgacctaa ctttcttctc 180
ttgaaggtga actccctcat tttccagagt agtcaaggaa tttctgtgcc tctacccatg 240
gctttggtta ccaactcatc cctgggggcc ttggtttctt tctgtgaaat ggaatattca 300
ttccagcact caccaccttc taggctggag taaggctcca actttgcaaa tgctggtaag 360
taaactgta 369

<210> 358
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(170)
<223> n = A,T,C or G

<400> 358
gnggggtctt tctggcatgc gtctgnnaca ccagccactc cagaggcaga ggatgatgca 60
ggagaatnac ttgagcccaa ggcngtggag gctgcattga accgtgatca tactattgna 120
ctccagcctg gataactgag caagaccctg tctcaaaaca aaacaaaaca 170

<210> 359
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 359
tgtccttcaa aaggagtgaa aaaatccaca gaagtcatct ggctggccaa ccaaaacaga 60
tgctgtgaac aaaaggcctc cctactggaa tccagaaaca tctgtgtttt tatggtcagg 120
tctatagatg tggaagccag gtcccacgcg ttgggtatgg ctgtcaccct gaagataccg 180
cagatcgcca acatcacatt ccccagtccc catctagtgg cctccagtgg cccatctact 240
gggccagcag gggccaggaa aggagaagag ggagaccagt ggggctgaag gcactggtgc 300
gtctgtgcaa gaggaggaag ccctgtgaga gggcagcagc ctccggactg gtacaaagcg 360
attcttctgc ctcaaccttn cgagtagctg ggattacagc aaaaaataaa attatttgct 420
tatcttcaaa 430

<210> 360
<211> 194
<212> DNA
<213> Homo sapiens

<400> 360
gaggacccgg ggaagaacca agagaagaca agaactgaag ttcttccatt cccacctctg 60
catcaccttc cctgctttct ctttccccag aagagactca gtcaacatcc caaagaccaa 120
tgatttcatt gttttacacc aaatatccct cctctaaatt tttcaagaaa ttgggaataa 180
acttcttacg caag 194

<210> 361
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = A,T,C or G

<400> 361
atggaaaaag aatcgcaaat aagcataatg tgaagagcat gagctttgga ataagcaagc 60
ctggaattac aattttcttt tattagctct gtggctgtaa cactcaactt ttgcaagctt 120
cagtttcctc gtctgtgaaa tggaataata gcacttacct cattggctgt tgtatggatt 180
aaatgagacc atgactatgg atgtatggca tttggtaccc aataacccct caataatcgg 240
cagctataat tattcataat aataatggtg gtagcaacaa acccagccca aacatctgaa 300
ggaccgatca ctaaaaagaa gatgaactca gtcctacgta gtaacaagaa tgtganatct 360

atgttggtgc caaaagtctg gangagttgc caggaccaga aaaaaaggan ggggtgangn 420
ccgcctggaa naagganggg acagatgtca aggg 454

<210> 362
<211> 273
<212> DNA
<213> Homo sapiens

<400> 362
actccaatta gtctccgcaa tgcagtcaag cagatctcat gaagatataa atctcacagc 60
cttctctaaa acttctccca ctgatatctg ggatcctgag gcaagagtga cagaggcaac 120
tactcagaaa tcaggatcca tgatcaaagg agcaacagca gtgtcaacca agaatgtgtt 180
tttagcaaat cttcctacac actcccccta ttctccagcc atggcagtta ttaacctttc 240
cagaatacaa taaagcctct gtgattcttg gct 273

<210> 363
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 363
gaaaactgct gcagagtgag agtcttctaa atggattaag aagcctatct caatccctct 60
ggagagtcct cttcaattca caatgaagat gttgaagagc agggacagac atcaacactc 120
ctctccccac cttccccact ggcagaggca ttcaggtcac tactagtgtc tctctttctc 180
ttttcccctt ctcttaatct ctcactgccc ttctctccat gtcatattct ctttttctcc 240
ttccctctct tccttcttac ctactaaact cnatatgtac caaaatcagt caaagctcta 300
ctatctagct ctctttatct agactaaagg gagttgtcca cctcttggtc tagataacac 360
ttgcaaataa agacctgctc gtttccc 387

<210> 364
<211> 101
<212> DNA
<213> Homo sapiens

<400> 364
gctgagatct gcaaacctct gggtctcaag agatgaaggc tacattagcc aactaagacg 60
acaaactcaa ctcttccttg tcattaaata atttgccagt t 101

<210> 365
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 365
aaaacccgga gagaggttgg aaacaaggtc acgacctaat gctcctcagc cgtgcaggcc 60
aatgctttgt ggcgtcatca gctgcccacc gtgagctggt caccactttg agtccagttc 120
cccctggcac cncttgccta gtggataata tcatacctca ctttccagca gagaaaccga 180
gctgcagaag ttgaatgaag gtctctaggg atgctcttgg gtccatcatt cattatgtga 240
aatatgaaag gcctcaacca tatgttccca agcccctggg ttgctgactg gcaagaggag 300
agaagccact ccaccaagct gaaacagtac ctgtccctca cggtggggag ctgaggcagc 360
cagcaaccag tcaatttttg caggaccaga agcaccatta gaggccttgc ttgctgattc 420
atttccatac ctcgttgatc tcc 443

<210> 366
<211> 213
<212> DNA
<213> Homo sapiens

<400> 366
aggagaaagc tgaagcacaa gatggttaaa aggactgttc aagacagcct tgcaattttg 60
accaaggaag aaagctgaag agtgctaggg caagagagga actacgtcca gaacaattca 120
taattccaaa ttctcacttc catgatttca atgctgaatg tgtacttctc tagctaaaaa 180
tacaattgct taagtaaaat catcattatt tac 213

<210> 367
<211> 261
<212> DNA
<213> Homo sapiens

<400> 367
gctctacttc tccaaaagac gttacatatt ccaaggatcc tgcgtctcaa caaacccttt 60
cttctgcaaa agaacagcct gcttttattc caagctctga gattccttat aggaagctgt 120
ttctctccag ttatgccatg ttatgcctta acctgggcca acagtgccta cacacggaga 180
atgcaatggt tgaggccaat tcattaacag ggattgttta gccacatccg ttgttaattg 240
acaacatgtc tatggaatta g 261

<210> 368
<211> 455
<212> DNA
<213> Homo sapiens

<400> 368
ccatccccga caaggtacca gacatatgag tgaagaatca tggaccctcc agtccacccc 60
atccaccagc tgaagaccat gagtaacctg ggccacatgg agcagaatac ccagctatgc 120
cctgcccaag tccttggctc gcaaactcat taggacttgg attgatggac tctctagcct 180
gagactgagg ccctccttct aatgaatggg gcagaaccaa gcaccttcaa cctcatatga 240
agagcagtca aagaaagttt aaagcaaaat gaccataggg ggagggcagg tttgtgtgca 300
gagatggccc tgaagaagag tgctgccatg gcaacacaaa gacagcagac aggctcatgc 360
acttgccacc agtggggttc taataaatgt tttggggagg catggagatg gcatgtcttg 420
cctgagtcaa caatcagaaa aaaaaaaagg gccgg 455

<210> 369
<211> 192
<212> DNA
<213> Homo sapiens

<400> 369
gaacccttgt catccagaat ttcccaaagg atggtttgca gaacaccagt ctcaacagaa 60
aaatctgtgg aagaagtgcc ctgtgatctg gcctatttgg aatactccat ccatcttttg 120
gaaaattaaa atatttatgg tcaagttaaa ggcgctgaga agtcctgcag taaataaacc 180
tgtatttact tg 192

<210> 370
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 370
gattaatgaa aataaaacgc agaccttata agcagacgct gtgattttgt aataaagagg 60
ggcagctttt acaggaaaaa gaacccgagg gaagctgttg gcagtctgtg aaacgatggt 120
catggtggaa ttcgtttttc tgcacattag atgtttaaaa cagctgnaaa aaagaaaaaa 180

aggccagcga ggccaattca gcttggactt aaccaggctg aacttgctca aaagg 235

<210> 371
<211> 137
<212> DNA
<213> Homo sapiens

<400> 371
agtctagaaa atatgaattt acaaccacag agaagtgaag acagtctccc agattctcac 60
cccgtgtaat tgaaagtgat tgttgaacat tgctgatgaa gacaaaccgc tatgtaataa 120
actgaataat aacttag 137

<210> 372
<211> 186
<212> DNA
<213> Homo sapiens

<400> 372
atttaaggat tcaatatgga ctgcctcaaa tataaaggga cacatttgct acatggtcca 60
gagacttgtg ttcctggccc agaatctcct tgtcctatca attgttggaa agacactgcc 120
tgcatttgcc cttttgcctc tctctgttct gtacttgcac tatcaaataa aaacaatttc 180
taatgg 186

<210> 373
<211> 163
<212> DNA
<213> Homo sapiens

<400> 373
atttgtaact ggggatcccc tggaagaatc gtctggaaat tacgaccttc atctggcgat 60
tgcagctgtt aaagtctcca aagaggccat tcttacattg tgttgtgaaa ttattactct 120
atctcaaatc tgtgccagaa agaaaataaa atgtgtgttt atg 163

<210> 374
<211> 64
<212> DNA
<213> Homo sapiens

<400> 374
gtatcatcga aacaggaatt ccctgacttc agtaatgagt atttataaat aaatcactat 60
aaac 64

<210> 375
<211> 337
<212> DNA
<213> Homo sapiens

<400> 375
aaatcacttg caaggaagat tcagttaccc actgctacac tagaaagtta ggcttctctt 60
gcggcattcc acagtgaatc ccttcatcaa cacctggatc ttacaaaatg aagtacctca 120
gcaagctatg aagagaaagg gtgttctacc cccttctact ttctgccacc tcaccacaat 180
aaccaatcct atcatcatca tcacaactgg ctccttcata cctttaaggt cccttcaaag 240
aggacatcct tgaccacttc ccctaaaata tatatcccct tccatgagtg tgctctctca 300
gcaacctttc tctcagcaat aaaattaatg tatcatt 337

<210> 376
<211> 62
<212> DNA
<213> Homo sapiens

<400> 376
aaatcatgcc caagttcaaa caacgaagac gaaagctaaa agccaaagcc gaaagattat 60
tc 62

<210> 377
<211> 170
<212> DNA
<213> Homo sapiens

<400> 377
attggagagg atgaaggccc tgaggtccaa gaacatggaa acctgacagt ggacgccaac 60
agctgtggag agaagccggg cgacagctgt ggagagaagc cgggcgatat gctcacgctt 120
ccgtgtgccc agcaatcctg ctttatcttt ttaaataaag gtgattcctg 170

<210> 378
<211> 313
<212> DNA
<213> Homo sapiens

<400> 378
cacctaaagc agtgactggt gcatgacagc tatggaagaa atgcgtagga taaatgcatg 60
aaagacagga agagaaaaag ccaactgggc acagggtcaa aaactatgaa tgaagagagc 120
accacctaaa agactgcttt gcagaatcaa atgccacaga gaagcaaggt aaaatcaggg 180
gtgaaaaaag aaccgcctgt gtccactggt cacttttgtc ctcatgtttc catggcataa 240
taagaattta acagatgcat ttcgatggat acaaagaaga cattctgggt taataaataa 300
cttttgtaat atg 313

<210> 379
<211> 223
<212> DNA
<213> Homo sapiens

<400> 379
gcagtgttgt aagcacgggg acagagacgt acgtgagcag atggaacccc cgaagacctg 60
cagctgtcat cctgggactg tgtgcccggc actgtgctaa atgctccctg gggcatctcg 120
tgtaaccttt gcaggaaccc taaaaacgac gatcagatta gcctcctcct cttgaaaatg 180
gagacaaaat tcaaataaca taaacttcac cactttaacc att 223

<210> 380
<211> 444
<212> DNA
<213> Homo sapiens

<400> 380
atatgaggtt gttgtatcct aggaaagaat gtcagcctct tgcatcccct acaattggtg 60
agagaagccc tgacctcaat agcatgagaa gacctggatt ctgatgcgag ctccactagc 120
agcctgctct cctgactccc cagtgatcat ttctcctgtg tactctgggg ctgataccta 180
ccctgtcctc ctgctttgcc cttgaggact ttagatgagc aaaatgcaag agacattcct 240
atgaaagtga tagattgtag aggtaatgaa gcttctcttg tgaatatgtg attgtctctt 300
ctctcttgtg tgatgctgag acgctgaaca gagtaactgg tacgtagcaa taattcctca 360
tatttttgca attctgggga aggaggagga agaggatgat gatatgaaaa cgggaaaaag 420
agagaggtga tccctatggt gggt 444

<210> 381
<211> 403
<212> DNA
<213> Homo sapiens

<400> 381
ggtcttgctg tgtccctagg ctggagtgca gtggtgcagt ctcaattatg ccagatggct 60
ctgaggtcca agtaaaagat aatatttgca accaaatcac tggagttgac catcaaaact 120
cttttccagg tggaaaagca ccctgaatcc agcttcctgc tatgaatgaa tactgagctt 180
gggttggtgg aaattgattt tcgagataaa gaatccagcc aggactgtga agccccaggg 240
aatggctgca cttcaagtca gaaggagcct gggtccctga atcatcatgt ggaaggctct 300
ccacccagtt caatggtgca atggaccaca agcaggaact taatttaaaa atgtgcttat 360
ttttggtaga ttttgtaatt aaaaaatgaa tcccactctg ctg 403

<210> 382
<211> 379
<212> DNA
<213> Homo sapiens

<400> 382
gcactacaag caaatgccaa atacagggaa agtcaactag atggcagcac aagggaaatg 60
atccctcagt cattccgggc ttcacaaggg aggatcaggt caacaatttc ccagcactct 120
ctgaggatac ggaagggctc agaactcctc ctcctccacc tcctagggct ccttccttaa 180
attttgtaat ctgcatcaca tcatattgca gggatgtgct aagaaacata cagacatgaa 240
cacccgaaca agaggaagct gaacaaaaat aacttccatc gtacctagaa aaaaaaactt 300
ctactatatt ttatataaca gcagaagtct attccatctt ctcttctgct ttaaaaataa 360
aataatcatt ttccaatcc 379

<210> 383
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 383
cagaaactga ggttatttgg atgaaatgct tatttctttt ttaacataag cattgactgg 60
aaatattggt tattctgtct gatattacat gaaggtcaga tgccctccat gcaaccatga 120
ggtcggatgg cagtttgatg ctgaaccagc aaacaagcct actcagcatg agactatgag 180
tataaaaacc tttatgatga cctacctcca cttggatcaa tgaagagaat aagagttggg 240
gacataaaca cattcaggag agaangaang acccatgttg atagtcacag ggaagaaaga 300
acagctcanc ctaacattac ccaagggcnn tagaaggcct gtacaaanaa ataccanccc 360
ctgantggac cnnccttntg atcctttggn accttcccag gctttcccag aanttacaag 420
ggaaaaaatt anaaattttc ccggtttg 448

<210> 384
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 384
gcaggaagag tccctcagca gctattccag ccccagtgag aaaccagaaa agatgctgag 60
acgttatgag acagtgaaga ccgggatcta tcattggact aacacagcaa tcatcnttaa 120
catgcagaga ggagaggaag acttgtttca tctcattcat gttgcaggga gacgccaccg 180
atttgagttt caaattatgg cataatagct catttatgca aatcataaac aagattatat 240
aatgttgttg tgaatgaaat atacacacca atctaggt 278

<210> 385
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 385
tgcaaagtaa atgatggcag tgtcctacgt gacagcaggg caacaagata gaaggaacct 60

ntcaccgaat gaccatgcag agcaaagtta ctcatcaggc aatgactact cataccagga 120
ttgctacatg agcagtaaat aaacttcttt gttatttgag cc 162

<210> 386
<211> 447
<212> DNA
<213> Homo sapiens

<400> 386
ggcctcacca agagtcttgg cgtgaaggcc gacaatgcat atcctgccag gccaagaaac 60
aggaaaaata taaacaccag tgatagagac aggaggcagc caaggacccc tcctgccccc 120
aacacctgac gaaatgccgc cttcaagcct aaaacagcat gagggatgaa aaaccagact 180
gccggtccgg atgaagccca ccctttccc caaatgattc tttctgaata acgcccatct 240
gcacattggg aggaggggt ggggccttgg gaagtttgca ctgtttgcag gggggaggag 300
cctggtctct ctcgtttctg tgtggtaagg tgggatttaa tccctgagat ggagagcctg 360
ttagcaggac tcttatctca ctttgctgat gcgtatttcc tttttcattt ctgcctaata 420
aattccactt gtcacccttc aaaaaaa 447

<210> 387
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 387
gcatagggat ttccagcttt acaacatgct atgaattatc ctcctctgtg ttaacacttg 60
tgttaacctc atccgaagtc ctgggggatg tcctgttcaa cctgccattt cacccatagt 120
agagttggtc cacagtgaaa agtggtgaaa agactgaagt ctttatacca ctngcatata 180
ttgttcctga tcctgcgtgt acatttcaga gaactggtga ataaactctc cgctccatgc 240
ctttctgctc agagaggtta catcttatat tctccaaatt taaattaaaa tgtagcttcc 300
ttc 303

<210> 388
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 388
ccgatcgaat gcctgctgca ctgctgaaga ggaaacagag tcgtggcctc cgggaggggg 60
ctcaaacctg tgactggtgc atgttcgcca ttagacacac tggctggtga ccagcagccc 120
cacctacaga attccctgga atgaggaatg gcattcctga gaccactcag cagagactac 180
ctcaaaaggc gctgctcaat gccaggaaat gcagcgagag aaaatcccct tccggtgcca 240
cctctgtggc cagcacacag gtcccctgct cagcgggtgt gtgtagacgt gccctcagga 300
agctcagccc aaggccctct ggaagtggcc acagctggac cacacggaac tcatccactg 360
cttctttgga gctccaggaa agcgccagaa gangggcact gaggcagang gaaagctaag 420
cagcctgtgg ctcaaaacat ac 442

<210> 389
<211> 111
<212> DNA
<213> Homo sapiens

<400> 389
gtgaacattc ctgaggaact gaaatatgaa atctgtcaag tcacatacag agatcctgta 60

gatcattcaa ctgcccatcc caaatcatcc aataaaatat gatgcttctc t 111

<210> 390
<211> 447
<212> DNA
<213> Homo sapiens

<400> 390
gcatactaat aagcccaggg aagaagagtc agacccagtg ccagcgcagg ggaaacgcat 60
ctaatccaga acagcagaca cagctcctct cccatggaac acccagagca gacattgcca 120
gtcgatccca gcacctttc cccgggagcc tgggctcagc ctcaagactt tgcctccgct 180
tcacaaagct ctgcacagcc agttctcatc aattggagtt ggtccaaaat atggaaactc 240
tttgctctgc ctgacccaaa ccattcctct ttcccataac aattctgaca tttaaaaaca 300
gcagaattcc ccaacactca tccccgggaa aagaaatttg gcattgttgg tactttcaac 360
tcctgaccct ggtcaagctg ttgagtcaac ttgtggttga gtctgagccc catttctgca 420
gacagaaaga ccgcatttgc gtttttg 447

<210> 391
<211> 336
<212> DNA
<213> Homo sapiens

<400> 391
agttagactg gctgagcaac ccaagctttt gtgttggatc cataacgtcc ctgagccaac 60
aaactgaagc agctccagcc catgtttctg aagggttacc gctgacaagt ggcaagtaca 120
tgacacagtt agtgcctgta attaggccaa gagggaaatg gcatcattgt gattctcgag 180
taactttact agcctcatta gtaaccttta gaacatcata attcaggagt catctgaaat 240
cagagtcttc agatgaaagt gacactaaca aaaagctcaa acaaacaagt agaaaaaaga 300
agaaagagaa aaagaaaaaa agggagcatc agcatc 336

<210> 392
<211> 76
<212> DNA
<213> Homo sapiens

<400> 392
taaccagtga ggaactgagg tctcccagca accacctgtg tgaagttgga agcggcgctc 60
tctctctctc tctctc 76

<210> 393
<211> 443
<212> DNA
<213> Homo sapiens

<400> 393
gggtcctcac tcagaatgcc ctccctctaa caaggagata attggagaca cagccggctc 60
tgggcctgct ctgagttgaa agaggcacca aggaaccttc aacttcatcc tcaccctcag 120
gaaatgggaa ttgttcttcc ccagttctca aagaggagaa gcagcccttc ctagctggga 180
catgatatta tgttcatcac taggacctgg gccctgtgtc cagctctgcc attagacctt 240
aacctctgtg ctccacatat gtccaacgag catgagatta tccaccccat tatgcatagg 300
atgtgcagta ggcagaattc taagatcgcc ccatgacctc tgccccctgg tgttactgct 360
atgattatgt tatgttccat tgcaaaaggg attttgcttt tgcccatgta attaccgtta 420
ttaatcagtt gaacttaaaa ttt 443

<210> 394
<211> 439
<212> DNA
<213> Homo sapiens

<400> 394
cttttcattt aatcttgtac ctaatatggg acgctggcag cggcagagag ccagaccgac 60
cttctaaaac caagactaca gaccacacac atagccttga agatccgtga acttctttat 120
aaagggtgaa gtttcatcaa actaaggaat gaagggaaag gaaagaataa agaaagaaca 180

atgctttttg ttttccgagt attctttttg ttcactacaa ggtggcaatc agatatctgt 240
agcaagcttg gatcagtgac gtctgagata cctgtttatg gattattcat ctgttctaca 300
taatgacatc tccacctcca gacaaaaatt tcatagtatg attgtagatt cactgtgctc 360
ttatctgtat gcagaagaat gggaattggg acccttgcca cacacttgtg aaaggaaaat 420
aaatctttgg ggtcccaaa 439

<210> 395
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 395
gtggcatgtg gacangcagt tggaaagaga aagtacagaa agaagttaaa agtatgctag 60
aaaaaacagt aagtgaagaa atgacagagg tgccaaagcc aggtgaagtg aagaggtatc 120
atgaggcaga agtgtcttcc tactctgagc gggatcccag gaccagcagc atcagcattc 180
cctgagcctc atcccagacc gacagaatct gcatctgcat gtaaaaaaga ttcccgggta 240
atttgcaagg atattgaagt ttgagatgct gtggtggtgt ggtttaaagc ttgaggtctg 300
gaattagaag gcccatttca agtatctgtg cctctcatta gctatgtggc cttgtacaag 360
ttattattat ttccaccccc aataggtaga gatgaatcta tgctaaacac ttagaaaatg 420
cctggcaaat aatactatca ttcttt 446

<210> 396
<211> 221
<212> DNA
<213> Homo sapiens

<400> 396
aagaggaaac tgaggctaag agattgaggc actcatccac tggcaagtcc cagcccagca 60
ggactgcaga ggatcaagac ttataagaaa accttcctaa caccagtgcc tgccttgttt 120
ttccagcgca aatcatactc aggaagacaa acatccaacg tcatcctctg cttcttgggc 180
ccggaagaat gttataaaaa taagtaactc atgaagaaaa c 221

<210> 397
<211> 402
<212> DNA
<213> Homo sapiens

<400> 397
gcctgcacta tgtactgcta agtcaatttg tggatttaag tagcaggtca attctatcaa 60
atgctgctgg gtcactgaat aaattgagga caatggcgac aggaaagcta cctctgacct 120
tgacaaagca gtttcaatgg agtagggtcc atgagcagac gagcagatga acagatgtac 180
agaagagcag agaggcagag aagcagctca gcagagaagg agagaagaga agagtctgaa 240
cgtcgagagg agttcagctg gagacagcca gagaggaggt cagctgtgga acagccaaac 300
tccagaggaa gatcatcttc ccactccatc ccctttccag ttccccaccc gtcccattaa 360
gagccaactc catcatccaa taaaatcccc atattcacta tc 402

<210> 398
<211> 437
<212> DNA
<213> Homo sapiens

<400> 398
ctatgaccac gaaggccgcc tgaccaacgt gacgcgcccc acgggggtgg taaccagtct 60
gcaccgggaa atggagaaat ctattaccat tgacattgag aactccaacc gtgatgatga 120
cgtcactgtc atcaccaacc tctcttcagt agaggcctcc tacacagtgg tacaagatca 180
agttcggaac agctaccagc tctgtaataa tggtaccctg agggtgatgt atgctaatgg 240
gatgggtatc agcttccaca gcgagcccca tgtcctagcg ggcaccatca cccccaccat 300
tggacgctgc aacatctccc tgcctatgga gaatggctta aactccattg agtggcgcct 360

aagaaaggaa cagattaaag gcaaagtcac catctttggc aggaagctcc gggtttaaga 420
atgatggtgg gccttcc 437

<210> 399
<211> 132
<212> DNA
<213> Homo sapiens

<400> 399
acatgatatc tggagatgca agaatgcaac aaccatcttg ccaccaaaag aagaaaaaga 60
tgagaacaaa agtccaagtg ctaaggatgc ccttttcacg ttctgtgaat taagaagaaa 120
agaaaagaaa ag 132

<210> 400
<211> 260
<212> DNA
<213> Homo sapiens

<400> 400
gccctgggaa gattacgtag ccaacactgg tgtgaaaatc atgcctatgg agggttcttt 60
tggaacccag aagaaacaga taaaggaggt gtttattcat gaaaccagca cttagaagac 120
tgcatcagca gttccagctc catgattaca agctcctcga agacatggac cagatcacac 180
ctctcctgtg tggctaaggc caactgcaca tgtagaacgg tgttccttct atgcttggga 240
caaataaatc tcacaaaatc 260

<210> 401
<211> 292
<212> DNA
<213> Homo sapiens

<400> 401
cacagaaaag ttaagactct tcagtgggac ctgctctggc cagtgaaatg gaaaagaaag 60
tgacatgtat cacctctagt ggaaactcta agagccagtg caccatttac cgaattttat 120
ttcctgcctt ggcaattgtg gatgaatttc catcagccta agtacctgag caagcccttc 180
tacagacctc tactagacat gtagcataaa ggagaagcaa acttttgtta tattgagtga 240
gacgtatcat ccattctaat aaaaaaatca taataaaacc ttctaaaaga tc 292

<210> 402
<211> 194
<212> DNA
<213> Homo sapiens

<400> 402
gacagcactt ggtggtgtta cattgatagc ctgaaatcag ccatcgtgag agtatttaca 60
ctacaaatca acaaacatta tacatcagag gttttattga tttgttgact gtctagacca 120
gggatgagca aactacaagc aaatctggct taccacctgt ttttgtaaat aaagttttat 180
tggaacacag ccac 194

<210> 403
<211> 294
<212> DNA
<213> Homo sapiens

<400> 403
acaagatatt gctgagatgt tgcccagatt ggtctcaagc tcccaagttc aagcaatcct 60
ctgaatcctc tggcctcagc cttccaagta actgagatta caggcatgtg tcatggtgcc 120
caatttatca atgcgatgtg tctacaagtg gagtggcaca ttcaaatatt tgttgctgtt 180
gtcatttgtc cattcatttg ttgactcagt agcattaact gagtgtctat tccaatgtgc 240
agacactatg ccaggtgctc gggtggaagg aggaataaaa ataatggtca taat 294

<210> 404
<211> 347
<212> DNA

<213> Homo sapiens

<400> 404
gtttcttttt attgaagctt gaagctcaag ttcatggctt catcaaaaga cgcttcaaat 60
cctgaagttg agatagctct cacctggagc ccgtgtgttg ttctaccctt tggctgggaa 120
cacagtcacc tgggaatcat tccagcaggt ggcttcaaaa gtccaacctg ctaggttgaa 180
atctgacact gacacagact ccgggagctg ccgcggaaag ctcaaccagg aacccggaaa 240
tgcacaagcc tcttgatgca taaaaacagc tgggctccct tggagacaga gcgccatggg 300
aaaccgggtc tgctgcggag gaagctggag ctgccatcaa cttttcc 347

<210> 405
<211> 428
<212> DNA
<213> Homo sapiens

<400> 405
ccaaaggaag catatacccc tggcaaaact gaccagcacc tgaacactgc cccaacagag 60
aactcaccag aagacccttg agtcgggaat tccttcctgt gggtagaact tggtataaac 120
aagtaagcca agcaaggaac ttacaccaca gcccagttaa caacaggatg cccatgagaa 180
cccctgaccc gactcagctc cctaaccctg tccacaaatg gcccgggctc tgtgccaatg 240
actaatctcc aaagtattca gtgaagcgtc tgctccattc gggatttttt cagatgggca 300
ttttggtttc atcaagccct gctttctccc gctccgtgac tttgcatcag ttgtcatgag 360
gatgattaaa taatttagca cttaaccccc tgctgtactc cttggcctgg atcatgacca 420
caccgaaa 428

<210> 406
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 406
cctgcattaa acgagactga gggtnagcca gctctccagg gatctctcag ccngggcgga 60
cagaaatgga tacccaatgt tacttgcttg gccccctgac ctgatgggag tatgacctac 120
tgggcagagc tcagctcagc taccccaaga agtaaacagc acagagggaa agataaacct 180
tccaggcttt ccgaaagcaa ttatcatgtg tggttatcga aaatttgtat tcactatccc 240
gggggaagga agcagagata caaataaacc cagaattgat atttgcctgg ggataaatt 299

<210> 407
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 407
atgataacaa aggctcaaga agattaagga atcggcagat gtgggatgtg caatttccct 60
atggctcggt agatgatcaa gttaaacagg cacgctatta tgaaaaacca ccaataaaat 120
gggagaaaga cataactgct gctgtatgtg gagactgcac ctcagcctta atttgacttg 180
ccgagcaaga acaaatggac agcacaccgg gtgcttgttt agttaccgcg gcacatgatt 240
atgaggtttc cagaaggcat cttcttcaca tgtgagatca ctcagacttc agcacttggc 300
aatcagatac aaacatgtgc aagttgaact agaaattgtt tgaaaaagct aatgatcttg 360
ctctagattt ttttttttaa tnaaaaaact ttntgngtcc aacngaaatg gaataaat 418

<210> 408
<211> 435

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 408
gtccgccaac catcccccga tccggccgtg tttaactttc tttgccagtc gtgatacccc 60
gtcagatttc tggcgctgcc acgccgcccg cctgggctcc ttctgggctc ttatcaacct 120
ctcccagtca gtctggcccg ccacagctgt tccaggccct cagcccctca ctttatctgc 180
tcgcacagac ctcggcctgg caagcggtgg gctcggcgcc tgctccacat accccaggaa 240
gccagctggg aacacagccg ccctgctccc ggaccctctg agagttcatt accagccagg 300
gtaccccagc ccgtcagcca aggtgcgggc cgcgctgccg agcccggccg ncggagccgc 360
ctggatcatt aaaactncac cctnttgaga gaaaaaagaa aaaaaccccc nctttttaatt 420
ntaaaaggct ttggg 435

<210> 409
<211> 399
<212> DNA
<213> Homo sapiens

<400> 409
agtaatgtgc ctagaaggag acagtgcatc gaagcaagtt tactctcagc atgtcaagaa 60
aacattaaaa tattatttgc ctgatgattg cattggacac attttgtgaa atacatgagt 120
ccctcctacc tgggatgtca agagactgct cttttgctgg gagaatggac tgatcttttg 180
catcagctca acgctgcttt tggggagcca ttttggatac aatatatgta ttgcttcctt 240
taaatgggaa ataaccatgg tctgtcaaca aataatcttg tttgataaat ctgacccaga 300
tggtgtgcta ggttgcaaaa ccgtcttctt ctgctttgga aaaactcagc tctgtccctt 360
catcccttcc tctgccacca gcctctgtcc acccccaag 399

<210> 410
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(79)
<223> n = A,T,C or G

<400> 410
aaaaagtctc cctctggagg acaccaaact gtcacgngcc cgcttctatn actccctanc 60
cagnanggta aggtcagcc 79

<210> 411
<211> 393
<212> DNA
<213> Homo sapiens

<400> 411
gaaggcataa aacggattca cgtataaagt tattgcctcc ctgagttcct ggtgctgtgt 60
taagtgctgg aagtatgaag gcaaatggaa gtgagatttg ttcctgtcct gcaagaactg 120
tgagccagga aagtagctta gaagtgacca atatgtcaag gtcccatgag aagactgaaa 180
aaaagagaag aaagaggaaa gaaaagaatg acaagaaaga gaaagaaaga aaccaatatg 240
ctctttgttc tttgcttttg cttcctcaag cttttctctg tctacaaagc caacctctcc 300
tgctcagctc atcagaacat tcactccact ttctggaatg aggtgttgcc tgatcctaga 360
agtcgcaata aagcccactg agatcgtaaa act 393

<210> 412
<211> 325
<212> DNA

<213> Homo sapiens

<400> 412
ggtctccctc tgttgcccag cctggagtgc agtagcatga ttccagctca ccgcaacctt 60
gaccttctgg ggctcaagtc atcgagatta caggcatgca ctaccacatg cctgatgtga 120
gctgaaaaat ttctattgcc tggtgacatc atagtcattg taacaggtgt tggtgtaaag 180
acagacctac agatgaatga aacagaacaa aaaatcccca aatagaaccg taaatgtatg 240
ccaattgatt tttgacaatg gtgtgagggc aattcatgga agatatgtat aagaaaataa 300
ttaaataaac cttgctcaat ccatg 325

<210> 413
<211> 209
<212> DNA
<213> Homo sapiens

<400> 413
ggacgttcta acataccgga aagtgtggca tcaactacct tgaaattgga caaattcagc 60
tttggaggtg ctaagctaac taaatccatt ccaatggaag ccagcccaca ttgcagctgc 120
tgaagaagct accctgactg tacccaaaca ctcaagcaaa cgctttctgg ctgactaaac 180
tgaacagtat aagaaaccag ggtgagcac 209

<210> 414
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 414
tagtgtctcc aacaccatct tgaaggtgca gtgacttgca tatagtaggt gcttgatatt 60
taccaagtac ccctgtgggt caggccctac tctcacccta aggatacagc aggaagcaaa 120
gcagaggtgg agaagatccc actaaacaca caggccgctt ggaatgttgg gccatctgtc 180
cttttgacat gaattttccc tgtaatgggg gtagagctgg taactgttgg atcatttgat 240
tattggagac agaagtcctg tcacttgccc ctgctgttag gaggtgggct tcctgaatgg 300
ctttctgtat acatgaagaa tttcaagacc ttccgttaag gggggcaaga gctaaagttt 360
cagcgtttac aaagaagnct cttggctgac tttgctataa cttacagcac ctgacgtttg 420
gacacctttt ctttttttgg tttt 444

<210> 415
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 415
acactcaagt ttcccacaca tgactggatg gccctggcca cactgggaac ggaatggggg 60
cctcccattg gaactcaggg tggaggggga agctcgacca gctattgtgg cccccacttc 120
cattgacaaa atgtggtggt gagacttgct cttggatgct gtcaggaagt atcatctgac 180
tgcgtttgct accctggggg agacaaacaa aacttgagtg aaggaaaatg agaactcacc 240
tgaaaccaag aagagtcttt ggaaaaggat ttttgtggac ctcatcaaat aaccaggaaa 300
gattaatcac ctgagaagag aagagactgg gaatcttcac cctgcccaga cagacttttc 360
atctattctc ctgagagcag ctacaagaga ttacctgtgg gactcaattt gcataataag 420
atgancttg tttctgggca agttccaccc ccanctttcc ataatgnctg gctnccacct 480
nccaggngca ttatttttnc ctaatgactt actgctccta aaanaaagnn tacctttcca 540
tttcttcttc ctatggaa 558

<210> 416
<211> 232
<212> DNA
<213> Homo sapiens

<400> 416
gggaatgaag aaaagaagaa gacaaaaatg aagacaaaga aggagaagga ggagaaagag 60
gaacggagac ggagagaaag agagactgat ctggactcat atcgcctgga tcttgaaccc 120
tgacttttg ctgttattgt tgttctatat gacattgatc atattagtaa atttcctgtg 180
cttccatttc ctcatctgta atgtgagaat aaaaatagta atgctgcttt tg 232

<210> 417
<211> 404
<212> DNA
<213> Homo sapiens

<400> 417
caaattgcag agaatccata catgtaagga ccgtgcacta actgattgtg ccactggagc 60
tccatggaac ccatacataa agcacacctc ttctcttctc cttggcatcc aacctgctgg 120
ctctacaact actttcaaca atgagtcaag gctgtacctg gcaagatgga aattcaaaat 180
caacaacgaa agctatttat tttggttttg atcctagccc tgggcctttt actaagtatt 240
cagaactgat ttaatgaatg aaaaaatgaa tgaatggtat acatttccat tgtctattct 300
gcttcttttc cctagggaac tgtgttaggc catgatttcc ttgctggttt tttcatatgg 360
gtggtttatt ggcacacgct taaattaaat cactagttcc attc 404

<210> 418
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 418
aaagttgaaa gtagctgata tgggaccaca gaatattggc caatcagcat tgtcttaatt 60
gaggctctac ttcaaggaaa cctgatccca gaaaatgcct aaaaccaaaa cagagagtat 120
gtggcacttt ttaatttttt cctggaatca gtggtcataa cccagtttac tgtttgtgtg 180
attctaaaat tctggattgt ggattgttcc ttccaaaatc tgctacttgt ttgctgcatt 240
caattggaac ttaaaataga ttttaaatcc atcctggtaa tttcagaatc attcatttcc 300
tgtccatctc gtcacttatt ggccaagttt ccagtcttaa cactgctcta ctggagtaaa 360
agggaacctn atgggtttgg ccanaggggg aatttagggc cttacagctt atgaacctat 420
agggggggng gatttataag gca 443

<210> 419
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(971)
<223> n = A,T,C or G

<400> 419
ctggggagcc tacnctgcat taagtncaga aacttgagna cgcncactgc natncttngn 60
atgnacganc cttagggaag cggcggcgag gacactgaca ctatgcgaga aggcgtacat 120
actgctcacc gtagatgcac ttctcttggt atcttttgtt ggcgtgctcg tttgggacgc 180
anacatggaa ccacaanacc ttagctgtat ccccttctat ggtttctcct tcgaagtacc 240
ttgcacctct aggacacaca catggggaca acgatttcct acaaacacca cattatcttt 300
tanatatttc naggtgtcna anaggaaaat gggatacgaa naggcccctt gcatgggacg 360
acacccgaaa aggncgcaan angacccaaa ntacggccna tttggccccc cttggttnga 420

annnttttng ncaacnccct taattaacgn acccccncna ggaancgggg gcccnttgga 480
aaaanattnt accnttanan tacgnaaaan ncccnccnaa acacacctta naggaaagnc 540
atagtaattg gncctcccct ttgactcccc cccatctccc tnttantact tttgggattg 600
ggaacntatt nttcccccat cgccaatcga aaagaggcgg aaaagggttg ncttattana 660
ctnggggggg cccgggggtc nccttttttgg gccccgtttt aanaaagngg ggaatgggga 720
accggttttt aacccccttt gggttgggga aaagggnaaa nngggaaatt tttncccntt 780
ggggcccttt ccaattttnc cttnggggaa ttttcnggaa aaaaaaaccc aacccccggg 840
ccccaacctt tggaaaagcc caacccccct tttgggnggg aaaccccccc cccaaacntt 900
tccctttggg ggcnccggcc cccaaggaaa gaaaaaccca aaancccccc cncnccccct 960
tttttgggac c 971

<210> 420
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 420
gaaaatgcgt cacccatcaa tccaagccct ccaagaatgt caaagctcct ccttgaatca 60
tcttgtcctg acaccacctg gctcccaggg cctntgggca gctgtggctg tgcagccccc 120
gcttttcacc tgtctcctgt cctggagtgc tcgntgcatc ttcagtgtgt tagttgcacc 180
actcctttaa gagaggctca tgccttacct tatcccctca atgactgtct tatttttgta 240
tgcccctaag agcagagcat ggggctagag tggcaggtag tgtttcaata aacacttgtt 300
gacttac 307

<210> 421
<211> 275
<212> DNA
<213> Homo sapiens

<400> 421
tcctgaattt tctaggatgg aaaaagcaag aacttataat agccgctctg tcctgaacga 60
gactggagag tgtgagaagg cagctcgggt gccagcactc caggtgccag cagacggggc 120
tccactgaag acacgatgct gcaaactgaa aacaaaacaa caacagcagt ggtctgagaa 180
gagcactgtc ctcatcattt gtattataag agtacagggt tttcccccat gagctttta 240
gtgaccataa aagaccgttt aatactgcac agttt 275

<210> 422
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 422
gtgaaatggt tgtccataaa aaagtggtga gttcagccga agaaattgct cgtgtttttc 60
ctcaagacag ctatgaagca aaagtgcttc atgcacagct tccattttgt cacaaaaagt 120
tgtgtatgca agagttgaga ctgaataaaa ttaattcata cagctttgtc agggacattc 180
ttaagtgaaa ctagcatctg tatttttttaa agcaacaagt acatggtgac actgaagaat 240
ccaacgatgg ccacggcagc gtgccgccac ttccctccac ccctgccaaa gctccagcag 300
gttccccctct gctgcttctg caccctcagt gcacgcatca cttangagcc naccncactt 360
tntaagcttt ttgcncatnt aacctcatac accagcctcc acaagnggcc ttgtttccat 420
ggagacagtt gcccagctga 440

<210> 423
<211> 229

<212> DNA
<213> Homo sapiens

<400> 423
cagggagata ccagggctcg tcatgggcag caatgactac gatggacaag aagatagagg 60
ccctaatcct aattttctga gcaccatgga agccccctgg attctaggga gaccttgagg 120
agaaagaaga ctcctgtaaa tgcctgacat tgaaattcct gcaagtctag gagcatgtga 180
actcaaaatg gaaattaatt tgatgtaata aaaataaaga agaagaatt 229

<210> 424
<211> 100
<212> DNA
<213> Homo sapiens

<400> 424
gagacaaaac cagactgaca agctgaagac tcaaacatta atcaaactgc gctccggaac 60
aacctttccc tcgcattaat aaatacattt gcggcccctc 100

<210> 425
<211> 393
<212> DNA
<213> Homo sapiens

<400> 425
actgattcct gcatagccac tgaccacagc ttctggaaca acaaaagcat tgaatcatta 60
atcctgaatg tggccaatga gcaagagatg aggaaatcta cccagttcat gaccacaaag 120
caactcacca gcagctggat ggcctgggta gcttatttct ctggagagac tcttagacag 180
tgactcctga tacagagatg ctgagactgc attttgtgcc tggaggagag aattaccacg 240
tgtgatttga gagcatcagt gttcctccag aagagacatt tctaaatgct gctagtgcga 300
aaaatgagct tatgttcacg tagcccctgg gggaagaaaa acagtaatat ttaacagtac 360
attttaagaa ccaataaaat tatttttaaa atc 393

<210> 426
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 426
ggagatgctg tcagaagccc cactacggaa acatcccaag gcctactatt acctaaggtg 60
acaccactca gctgtgcagg ctttctccct gacacaggaa accattcgca gacattacct 120
catcgctcta atctcctatc aaacctgtga gacaggtaac agaaggtatc ctcaatttac 180
ctgtggggaa attgctgccc aagcatcaga gcttcccact ctgcaaacac tgcaagtgtc 240
cctgacacca gcacagacta agaagtgggc atctctggct tattctggga ccaagtgcta 300
aactgcaaat ggacctcctc tctatcccaa ttcatcaggg gagaaaaatc tnggttaaaa 360
aggggngcct tnttttaagc agctgtctca tttaaggnca tccgacttgg gcagcaattt 420
tagtacttta caagccaagt atgtttgcag aaactctagc a 461

<210> 427
<211> 383
<212> DNA
<213> Homo sapiens

<400> 427
aatccatcat gatcctatgt gggttctgcc taaggaagac tttcaaggca ggaggccctt 60
gaggaagaac agaatcatca tgtcatcatc cagggtcctc tatctctggc aaagactggc 120
ctgatgaatg ggatcagagc tggaggcctg ggtatctttt gactgcaaga gttaggggtg 180
gcggggtcga tacagtcctg cggcagccaa gacatcccca acctgtccct gaataacaga 240
caagtctaca tttcctgaaa ttctgtatca ctgtattggc aataaacacc tagagaagta 300

agaaaggagg agctcctaca aaaaaaaaaa taaaaaaagg ccagcgaggc caattcagct 360
tggacttaac caggctgaac ttg 383

<210> 428
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 428
ctcctgctgg tcttgaacac ctggcctcaa gcgatcctcc cacatcggct ttccaaagtg 60
ctgagattac aggttgtgaa gattacagaa atctgggatg gcttatggga cgcttctcag 120
ccctaagtac gaaaacagca gtgaaaatgg caaccaaaac atcacgcagg actgggggtt 180
ttggggaaac agctcacttt agagcagtgc agtgtagagc tttccgtctt ctaccagggt 240
ccacctttaa cactgtttat ctgaaaattt tccccctggc ttactcgctt gcagctgccc 300
actttgcaga aggatggcgc tccgatctct acgctccctg ttccttcagg gactccatag 360
tatttttttt cacgcgtcgt cgctactaca gcagacgcct gcgttctcat tatttgctgt 420
acagatctcc ggtgccttga ctgtaaacaa aacactttan atcattgtga ggcgatgtaa 480
gcacagcctt tctgctggca gccagacttc ttaagggggg gngactgnga cttgcttact 540
tttcgagatc acaaccacca agcgacaaaa tgg 573

<210> 429
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 429
tgttctagcc cagtctacag ggaatgcaca gtgagggttt ttgtgtcctc tgcttcacct 60
tttgatgtna gagggccaaa aactccaccc tcaggtcgtt gctaacacca ccatttttgg 120
aacatgagtn ctgtggagat gtgnagaagc tccattgtgc ttatgcatgt ttctcctttc 180
ataaatatnc atgactcctc ccatatctta ttcgaatata gtatagttca tgccaacctg 240
ctnaagcang aatatcctga tcccttngct cctcccttga aatgcctagt ttgctcggct 300
tcaagantag anaangctac ngctnggcgn ngcatngtca ttaatncncn acccctgnaa 360
ggggggcaaa cc 372

<210> 430
<211> 426
<212> DNA
<213> Homo sapiens

<400> 430
atgggaaaac tggagcccaa aggatggaaa tactgaaccc atgggctctg tcactagact 60
gcatcccagg gcctcaacgt aatatattct taatcatact ggggtaacct attagaaaga 120
accctgtcct ggaatcctgg aaaagaggcc ctgctaggag ctgaccttgg acaaatcact 180
cccttctctg aacctcactg ttcagggggc tgagaacaga gggtccctaa ggaagagtgt 240
tgtatgagaa cagtctccgc tcttgaccca agcaaacctg gcttcaaatc tcaactcctg 300
tggctgacta gctgtatgac cttgaccttt ctcagtttcc tcatctataa agcaggatta 360
ataaaaggta cctatctaat atgactgttc tgagaataaa atgaaataaa ctacataggt 420
gatttg 426

<210> 431
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 431
ctgcttcctc tggtcattga tgtgtcagct cccgctgtgc atcanccctg ctgctccccg 60
gaagccccgc cttgcaaatc acaaaatgta cccagcactc cctcacccag cctggattgg 120
caatggcccc acaggacaca tgggaatgat gatctttaag tctcagatgc ctcatgaata 180
aagtggatgt gatggtgcca aatctgactg aaaagtgggg aatcagctga cctttcccag 240
ggattaaagc atcacctgct gtgcaggggt tttgtgatac atgaaggcgg tagtgcatgt 300
acggtaccag gagtaacatt atgtnatttt aaataacaag ataagtgct 349

<210> 432
<211> 370
<212> DNA
<213> Homo sapiens

<400> 432
atgtttccaa aaataattca tggaccttat taaaattgaa aacgttgctc tttggaaaac 60
attgttaaga aaattaagag gcaagcctca gattgagaaa aacatttgca atgcactcat 120
ttgacaagtt aattggatac caataagcaa ggatttacta tgtgttggaa aggaaaacat 180
tctgcgccat acttctacta accaactgga aaaggcatac aattgaattg cgggagagga 240
aatatgatga ccaaacttgg caagggaaaa aagttagccc tcttggtcaa cctgggcaaa 300
tggagaacat gcaagagact tacgaggatc aaattctcaa atctttcatt gaaataaatc 360
aaatgagaac 370

<210> 433
<211> 138
<212> DNA
<213> Homo sapiens

<400> 433
ggcagagctc ctggaaacca gcatgaaata ctggagtcgt taatttcctc atatgaacca 60
gaaacaattt tactgctagg aaatatgact gtattataca caggcaatat aaaatcacaa 120
ccacaagcac atatgggc 138

<210> 434
<211> 394
<212> DNA
<213> Homo sapiens

<400> 434
ttttgaagac tgggaagtcc aagatcaagg tgctggcaga ttcagtgtct gattctcctg 60
gtctcatctg tccttgccgc caagatggat tatctgcagg aacttggacc aacttcacgg 120
aaccttcctt atgttctgtt catactgccc agacctgccc tggcttccct gttgctcctg 180
aggcagaaga ggcctttgga cttactcggc cccacatctg tacagtccag agatgctggg 240
ggaattaaca ccacaaaagg ttgactttag atcaatgtga gacaagtatt tcaactatga 300
ttgtgtattt gtcagtgcct ctttgtaatt ctgtgagttt tttccttcat ttatttgata 360
acatactgta taataatgca cattttaaat tctc 394

<210> 435
<211> 463
<212> DNA
<213> Homo sapiens

<400> 435
gaacatgtct ggcctgattt gaagctgcta catctgcttt gaaagaagcc acataacctt 60
tgctgctact tcatttcaaa ttttcctttg aattttctat ttcctgagct gggagaaatg 120
agaggatgca ccctctccct ttctaacagg cccttctcac ttgctctgat gagtctggct 180
ctcaagtgag ctgccctgat ggagaggccc gcatgtccag aatgaagcat accttctgcc 240
aacagccatc aaggaactga atccttccta caaccacgtg ggcaacattc gaaggaaatc 300
ccccctagc caagctttga gatgactaca gccccagtgt acacctccat tgcagtttta 360

taaaagacct gagacagagg acccagctaa gccatgggct agccaggatt tcctgaccta 420
taataactgt gaaatagaat aataaatgtt gttgttgtaa gtc 463

<210> 436
<211> 450
<212> DNA
<213> Homo sapiens

<400> 436
gcagcacata tttcccatag aaatgtggaa tgtaagaaag gcacataaag caatccaagt 60
tgcctgcaga tatccacagc ctacttcagt ctcagtaatg ctcttttaac ctggctatat 120
ggagagttga cagaaaatac aggatcatca atcaatgata cagtaaatac agaattcctc 180
acagatgatg aatgttgtcc ttcagcttct gtggtcactt ccacctttaa ctaaagttgg 240
agttggaaga aaggcaatgt gactccaaac ttcacagtac ctccatctta gacaaacacg 300
actctctcct tcacctgcgt gccagctgag ggagttctgt tccattgctg tctccgggga 360
ctctgtcagt atatttgatg taatacttgt ttctgtccat aaaacatgtg atgatgagaa 420
gatcgcagtg cagatccaaa atcatatgct 450

<210> 437
<211> 415
<212> DNA
<213> Homo sapiens

<400> 437
aaatctatgc gaaaacaata cacagttctg gccaaaagaa gttaaaacaa atgtgaaaaa 60
taagcgacat ccagaaactt cagcagctcc cttctgtcct atgcctcaag gtaccagaga 120
gggaaaaagg cccccaggag aggctgtgag gaaacctgaa ctgcaaaccc accacgatgt 180
cttcctggga aaggcaagtt ggtaaagaaa gatgtgaact ctatttcagg gtagtatgtt 240
tttttcattt gcttccaaga ctttgatgga atgacttgag aggaaaagtt cacaattact 300
agaaagaacc taaaaggaca tgagagatga aaccgttgca gtatttttga aataaatgtt 360
ttcctgcaag agcagagtca aaaaaaaaaa gggccggggg ggccatttca gttgg 415

<210> 438
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 438
ggcctctgaa tttttgcatg gctcatatca tcctagggaa aaacaagata tttcctagct 60
tcccttgatg ctggatatgt atgggcaact gagtactgac caacagaatg tgaaggaaag 120
tgacaagcac gcctcccagg actcatctta aaagagagag gacaaacgcc tatttcctgc 180
tcccctactc aatccctctg cccggaacaa gaagatactg agctttcttg gaccctgtgg 240
atgagaaatg aacaaaaata catactaatg gagtttaaaa tcacaggttc catcttctaa 300
tgagcctatg tttatttgcc taagtagcat aacagtaatt gttccagaat gcaaaaatgt 360
acgagatgta ctctggaaat ggaaaaatac ttttcttcaa ttcaatgaac agattctgaa 420
ttttaaacaa cccaatantt ttttaaaagt aacacaccta gcaaagaata a 471

<210> 439
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 439

caccagtggc tctgacagtt ctctctcaga tggtcttcct gttcacctag caaacatagc 60
agatgagaat aagaagccag gctttacagt atcatgctct ccaaagagaa ccataaactc 120
cagccaagag ccagctccag gtatgaagcc aaactggcct aggagcagat atcctgccac 180
aaagagaggc tgtgctgcca tggcggcata cccatccttg cacatataca catacccgta 240
ggtgagcctg ggctgtgcca cacaagcact tcatcggggg ttttgagatt agacacattt 300
tataatgggg gagatgtatg actgggaact gcatttactt gtggtatact gtgttgtgca 360
ctcatgcact gaccttacac tttgtactta cactgtgggc atgtggncaa gatgcatacc 420
tcatgaattc aactattttt tcataaaatg aaattttatt atgatgtgna aaaatgcttt 480
atcacaaact gaagtgtggt ctcatgggcc actttatggn agcacagata tacctcattt 540
taaccaatag atattctctc taaaattatg ngcaaatcaa ttttttaaaa atcaaaatct 600
atgttaaaca cattttggca ggggggctat aataaaaaaa aagtggt 647

<210> 440
<211> 248
<212> DNA
<213> Homo sapiens

<400> 440
aaaatctcca tggcagcaag ctcagctgat tggatgggag aggaaatttg aggctgggag 60
acctcctaga ccacagctgt aatcttccaa gaggaaaggt acttacagaa ttgccaaact 120
actgtgaaga caagactaaa cagtaacaaa catctacatt tgtattatta ctgtaatagc 180
tgagttgctt gctggttgaa aagtaaggga caacaatagt ttgttccaat aaagatgatc 240
taactgcc 248

<210> 441
<211> 192
<212> DNA
<213> Homo sapiens

<400> 441
gttgactgct catccattag cagcagatgt ctctcgagta gctgaaccac accaagctgg 60
acctgggact tgaggagccc ccttcaacct ctgccaggac gcacgctgga ttagcatctg 120
ctagggctgc cgtaagaaag taccaaaaaa taagtggctt aaacaataaa atattgtctc 180
acagttaaaa ac 192

<210> 442
<211> 369
<212> DNA
<213> Homo sapiens

<400> 442
tgcctaagac cagacctcga gaagcagggc taatgaatga acgggttccc caaccttggg 60
tgaagtgatc agaggagtag cagaacagag caaggaagcc agtgtgacag agaaatgaag 120
agatcaatgc cacaaaatta aagagaacac gggggtcgct cattccaaat cccccaccag 180
gaagccccta tcaggagggg aggaggagct cctaggaact gaacttggac gcaggccact 240
tcagctagag aacatttctg aggaacacca gacctcgtct ccttccggga gcgggatcca 300
acacctggcc agacatatcg gtgctgaaca aaagtgcact gggggatgat tttaaatttc 360
ttctttatt 369

<210> 443
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 443
atgaggaaac tgagacttca agggtccaaa tatcttagtg ttcttgagcc aaaggtgctg 60
agtgaaggag acatggtccc tgcccttgag gagctggcag tctttctggg gggacagatg 120
gtgagcagga gcagtgcctg ccactatgca tggttaactg agctggagga ccctgtgctt 180

cccgcacctc acaggcggag cagcctctca ggaacccctt ccgaggcttc cacctgtggg 240
catgctgctt tctcatcact gctgctgctg acctttctcc ccagcaacta ccaaaagccc 300
ttttatccac agtctaaaca acccagaaaa ataanggacc cccccanaag gaggatgaag 360
agcagtctgt actcaatttt atgatcagta aataataaga agacaagctc ctgctgggca 420
cttagttcaa cagcagctcc tc 442

<210> 444
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 444
gcccccgggg ggggncggna nttntggcct taaangnggg gggngcnccc ccttncnccc 60
ttgggaaagg gggggaaacn cccccccttt ggggggnnag aaaaaagggg gggggggcn 120
tngggaaagg ccccttcccc ttttttttt ttnnttagga aanttttaaa tnggggggaa 180
aanggccngg aaaaaaaang naccnttccc ccaaancccc aangaaaang aaaaaanttt 240
ttgggaaaaa aaatgggaaa ngcccccttaa ggggaggaaa aattttaaga aaangaacca 300
acccgaantt antttttgca ttggaaggga caccggggaa gaagacccaa gccntggcct 360
taaaaaaaga acctggtggc tttttggcan tttgccaggc aaaaaccaag ccccattggc 420
ctggatggaa atttttggac ctgggccctt caagaaactt tcaagccacc gccaccaagg 480
ggaacttctt ttttcaccaa gtgggggcac ctttggncca aattaaaaaa taagccttgg 540
cttgggttat tggcattctt cttggacctt ttttcttttt acaccttcnt tcntggggng 600
gggggaaagg gtaaatttca ccccctttt aagccaaacc ttttncccat ttcaaacc 658

<210> 445
<211> 454
<212> DNA
<213> Homo sapiens

<400> 445
gtgacgtacc cacaagaaaa gagctcttat gctctcctct cttcgggatt gctgatatgg 60
tcattgatat tgtggatttt acaaattgaa gatttgtgga aactctgcat tgactctagg 120
ttccacctca tcattttaca gaagagacag acatgcaatt aagatgacct gcctggagcc 180
cacaatatta gatcatttcc tcatatagta tgaatttgac aaagttcaca gaaaatggaa 240
catactcaca gggtgccatc aaaacaaaaa ggctggctca gaatcaggtc aggagatctc 300
cttgtgagcc catgccacca gagtcttggg tccgacacag agctgtatgg agtcttgcag 360
aagtggctgc tcttggcatg cacaaagacc caagagcttt gcatactctg accccggaga 420
tccccaatga atgtgtctgc actcaagcaa gaca 454

<210> 446
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 446
aagaatctac cataaaacca acagactcct cctgatctct acctgtgctg tctgcctctc 60
tagttccgga cactgagagc tggtgccctg tggccacctc aagctggaac cctgcaagat 120
caccaagaag actgcatgcc tcgctctagc cttcctaagg gaaagtagac tcctgttttt 180
gaaagaaatt acctgatttc aagagaaaca taaaggactt tttttccctt aacattccac 240
tcgtaaaaat gaagtttgga agaacttctg caaactctga gtgttttggt caattgacct 300
tttactgtac taagcaaatc tgaagccaca aatacattgg ggaggaaggt atacccttca 360
caaaagatcc gtcacttagc cagatctctg ntgcatgctt ctttaaataa aagccatttc 420
tgggatattt tatttattta tttt 444

<210> 447
<211> 272
<212> DNA
<213> Homo sapiens

<400> 447
tcaggggtgg ccatgtgacc aggtgctggc acacaggaca ggagagtata caatgtgatg 60
accccacaag ccaccaaaca agccctgaac cagccaccag gaggactgaa aaagctgaag 120
tcactataat ctgggatctc ctgtttcagc agcttagtct gtatcctcat caatacagtg 180
tatctaagaa acttaaaaac ctgtgcttta ctctccatag gctaagaatc atccagatag 240
tttgtttact ttttttttt agcacattac at 272

<210> 448
<211> 288
<212> DNA
<213> Homo sapiens

<400> 448
ctccactttc cagcctccct tgaccttcag ttggagccat ttgactggag tatgaccaat 60
ggagtatata tagaggtgct gctgactgga cacatgacca gatgcaccat ctcttttccc 120
cttctgtggc aaccacagag gccgcacatt acagagcata acatgaagga agcacagaag 180
cctgagtcgc tgcttgaagg agaaactccc agggggccaa ataaccagaa aattctacct 240
tggattttgc ttaaataaga aataaatctt tattgtgtta atccactg 288

<210> 449
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 449
gagtctctgc attangttgg acaagctctt ctggaattat cttctaagtc aactgtgggt 60
tgggtaggng gctctgctga tttttcgctg gacttccaca tttgggacga agttggctgt 120
catcaactct agaaagggtg nggccgnttt acattggctg gtttcccaca ttctcaagca 180
atagagatgc ggnttcccca tgttggcccg gctggncttt gaaancctgc ctcaggngan 240
ttcacctacc tnanctttcc cgacgtactg gggtttacag gcatganccc cccgtncccg 300
cccaaggang ggctcttgag anaatttcat tttcttggcc ctgctgaang aangnctacg 360
nttnatttaa agggcctgct tgtgggaaaa ccacccccca aaagttgctg nnaacaanaa 420
aaaacctttt tngnangtca ncaanaaaaa ctttncncct tttgnatngg gggctttttg 480
g 481

<210> 450
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 450
cagggaagaa ccagttgggg gctggggaaa ccagtgtttt ctggagaaag agaaacagct 60
gcttaagcac gagtgtctga aggaagtcct gttccctact gccaacccac gaggcatgac 120
cacagtccag tcgcaggagc tgctataaca agatgacaag gaggcaagac tgattcacta 180
ctgattaatg cctgttgatc ttcaacaatg ggccattcca acaaatgcaa gaanggaaaa 240
atcactagcc aataacatgg ggatcctatc ctataaacag aaaggaatcc catggaaaga 300
attctaattt tatctattta agcaactatt ggttactcat gcaggttcag aaacagaggg 360
gactatgagt caataaatga tgtaaagggt tatcacc 397

<210> 451
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 451
gacacagtga gctcaagaaa ccaccaaaca canagcanaa acaaggattn gaggcacagt 60
nccacacttt ctagctatga gagcttggcc aagctactta attctccagc cttatatttt 120
ctcggctaaa aatatatggg gcaagtcttg tgaagatgca atgagataat ggatgggaaa 180
gccctttgtg aagtgtaaag caacacacaa atgcagaaat aacaactaac agaaggctcc 240
caactggagg atcatgtgga aaaatggaag aactgagact atcttctggc catgaacaga 300
aggagaaaag gatgctgagg acacacttca aaatctgcat atcctctggt tcctctgctt 360
ctctaaaaat tgcaggaata ggtgaaattg agcctgtctg ttttctgtaa ttagtacttc 420
atttttgttt tg 432

<210> 452
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 452
agatatgaag tgagcctggc tcctcactaa accacctccg ggcacatgac gcatcccagg 60
acaccccatg aagaggggcc agggcagagc tggtggggga ctttgatttt ttaatcttcc 120
agcactgaca agccatcaag tgcccaggat aacagcacct aaacccaagg ccagaagatg 180
ccatttgcct gatcaactaa aagtagatgg aaagcccaga cttagcctga ctccattcat 240
tggctactca tggctttcct tccaagactg acaaattgcg gaggttcaac ttatatgatt 300
tcctaataca attaaaatca ctcgagggag agtcctcaaa aaaaaaaagg nccnnggggc 360
ccanttannt tgggattaan cagggngaaa ttgttnaaaa gggggggggcc ccccca 416

<210> 453
<211> 148
<212> DNA
<213> Homo sapiens

<400> 453
gcacaggtgg catgctctgg cggcaaggtg ctctacaagg cctggcaata aggaagggtc 60
cagttactcg catccagtgg tctagagcat gtttgattag gcaactttta gcagtcgtcc 120
tcagctgtgc atattaaaat ggctcctt 148

<210> 454
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 454
tctagtcatt gcctcaacac cagtcattcc tactcccacc cagacaacat catctccact 60
cccaagcccg aaatgctccc tgccatgcct tcgaggctga ggtctgggaa gaagactcta 120
agaagagaga aaagggcacc agtatggaga ccctagaata taaaaagcag acttagcctg 180

tctaacctgt tccttgactt ggccatgatc ccaggaatgg aggaaggatc ttccttttct 240
tcctcctcct ggagaggcat cagagcatgg gccctggctc tgttactccc tggctgggga 300
agttacttac ctactccgtg tctcaagttt tacttatctc taaaaggggt agagtaacag 360
cactcactgg agtggagtgn gggtatgcct cccagcctct ccttcagaac taggttactt 420
attccctcac tgcaaggagt ggtagctgcg gactgct 457

<210> 455
<211> 84
<212> DNA
<213> Homo sapiens

<400> 455
cactttggga ggccaaagca agaggattgc ttgagcccag gagtttgaga ccagactgga 60
caacatagta aacctcatcc ctac 84

<210> 456
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 456
ggaataagac atggacacct ttgagaggcc atttttctgc tcaccacaag gccccaagga 60
aatggaagag gatgctaatg gagggaccca ctggcaccca ctgagttggt atgaagagta 120
ttttaaactg aaacatttaa gacacagcag atacagaaag aagcctttct ggagcttccc 180
ttatttgact aaagccagag ctttcagaga gngaagctgc cataaattcc ctcttgggga 240
gcttcactgc cagtaaggag actttactgc caggaaggag accacttgca cctgaatgac 300
gaattgcata accgaacata atcacaaatt gtcgtaccat catttgtttc cctaaaagcc 360
catttgtctt tccacaaaag gatatttgct tccccataga acccttttctc tcctcctccc 420
ttttcccata ttattggcat ataaattctt catccctaac tg 462

<210> 457
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 457
aacagngatt cttcagtggt ggtctgaaga ccacgggtgt tccttgagga gccaatgagg 60
gaactgaaat ctgtgagctt taaaccgctt gcttgaagac acggctgaca tttgtggctg 120
aatcctaatg tagttaattt tcctttcaat gggtcaactt gcaactgtta ggagtcttcg 180
aaacctttg tgtgaatcca ggagggaaaa ttgtctggca aagtctgata agcatcgtgt 240
caagagcaca tttgtactct ggatgggagg tgaagggaag agcagcatca tctgtgcagc 300
ctggtgaaac ggtgtttacg acaggctaca ccgggcacta ctggggtatg ctgnctcctt 360
ggattgngtc atatttttaa cccagtggga aattcatagg atcctcttga ctctgtaaaa 420
actgtgggac aattcagtc 439

<210> 458
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(660)

<223> n = A,T,C or G

<400> 458
agacctgggc ctgcaagagg aagagaatcg cctgaggaca caggagcggg gacgggagcc 60
aggctttgag tcagtcctcc ctctcctggg caagccatgg atcatcctgc ccagcacttc 120
tcgtccttga cggctgagtt ctgaagggag gaaggcaaga cccaaagaga cagatggaca 180
ctcccgggat gacacagttc acagcaaggc caagatgcaa attaatctcc taactctcat 240
tacaacagct tctacttttg cctcttctgg gttctttcat tcactcaaca gacatttgca 300
gagttagctc atagtctctc ttaagtttta gatatttgaa gataagcgtt aaaagtccct 360
atgattgggg aacccacagc ttatgggaga ggcaagtatt agaggtgatt tactacaact 420
cgagggattt actgcaactc gagggattta ctacgcaaag tgctgggcat tccaaggagg 480
catggaagct ctctgaacac canggcagta actgctctgc ccaagagaat ggggtccact 540
cttgcacctt gaaggaccag ggatgaagaa agtggttcan atgaatttct gaattagtct 600
gactangctc ttgaacctgg cgcacaataa atgnagtaaa tattgatgcc ataaataaag 660

<210> 459
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 459
gtggaggact ttctatcatc tctaccaatt gatcaattca gaccaagtaa gcattgcttc 60
aaaggagagt tgggttgggg gtgcatcact ccttagctgg agatacagag aaatctatac 120
ctacaagatc ctcaaggtgt ccttgttgaa aacttcatcc aaggaactca agtactgctg 180
gatttgngtg actcatntta cgaacnaata caaaggccta ttaactattt aaa 233

<210> 460
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 460
ggaaaccagg aggaattcca gaatcaaaga gaaccgcatt cctctctacc acaaagtact 60
cacacttggc aaatggcaaa gatttgggtc atcatttttt aaacgacagc caagcattaa 120
agagcccagg cagagagcaa gtaaaagagt ctccgtggtt cctcccagcg ctagtctgtg 180
gcctcaacaa catagcacgt tgcaggaaaa attccaaatt tctgggtccc aaggggaggc 240
attactcagc agtctcagcg gtgacggcgt cagcaggaca agagccattt gctccgggag 300
gactttgatg tttctttaaa tggttnctgc atctagtcca atagaatgga tacggaatta 360
tctttattac aaccacaagg atgtgcaaat ttatttacag tataaatggt tctttccaca 420
agtcctagct gtcaacaact ctttattttc ctggagtgac ttacaagcca agaatgnttt 480
gtttcttaag cttcctacct anagaggtaa aataacaatc ttggtaatga gaagacaaag 540
aagctaactg ttctgctttg caagcgttcc tacagaccgn acctttttaat tgcctagtgc 600
tggcaactta acatactgta atgagacc 628

<210> 461
<211> 317
<212> DNA
<213> Homo sapiens

<400> 461
gactgaggct aaggaaggcc ttgtactggt tttagagccc tggacggagc tccaggtgac 60
atgggccttc ctggttctac caccgacctg ctgggggttt cagcaagcct tcaccttcca 120

cgttggcgtt ctcagctcta agaaaaggaa gttgatttcc atgagaggtg atcaaactgt 180
gctgtagaag cctcagcgat tccacagaac attagagtac ctctgccaag cagaattctc 240
cacatggaga aacctcccct cttactgatt ttatatgcca tgcatgtcaa cgctctgggg 300
aagatttttt gcttgag 317

<210> 462
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(308)
<223> n = A,T,C or G

<400> 462
aacatataca tttcggtttc aacatagcgg cagccagagc ggtcctctta aagtggaagt 60
gatattctgc ttctctcctg cttaaaacct tcagatctcc ctatctccct aaaagcaaca 120
accaaagtcc ttccaggggc tacatgaaca cctgcatcgt ctggagtctg ctatgactca 180
gccctcaatg cctacaatac tcatgcatta agaacatatt gagtgggtat ggaaagtctc 240
taaatcntct ggtccacgct ttagcaaaca cgtctcaata tattctactt ctacagatga 300
gtaacttc 308

<210> 463
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 463
gtgagcaaac aggtttccag gcattcgcat tccacgattt gccaaggcca acaatacact 60
gttcaaccca acagttgttt tccactgaaa tatacaaacg attgaggaca ttgacaacat 120
agtgcctttc tagaaagatg gccatgacat cgctgtgatc actgcttaca ttccacgcta 180
cctgatttgc atcatgtaga tgtcgctgct gtgacattga tagcctgtga ctccccagcc 240
ttgtgaatca tgtcagcgca cataatgtgc atgaatgaaa tggagtgttt ttaggatggg 300
atgccactaa aatcatcctg ggttaatcct gtcatctggc ggnttccagt gtctggacat 360
ntggatgaat gatctgcttg agagcccncc aaatantagt gggaggcagg ggatcagctt 420
tttttcacac cctcttgagc tgctgtaccg ngcttattct tctc 464

<210> 464
<211> 213
<212> DNA
<213> Homo sapiens

<400> 464
ctttgaaaat ctaccattcg gccctttag tctttccggc tgatctttcc catccacaaa 60
cagatgttgc tcactggatt cagcacttcc atcaaaatcc ccaaaagcct ttatgcttag 120
aaatgaacag acatcaaaaa ggcagcaact gtcctcttta ctgccatttc ctcttctagg 180
gcctgtgaca tgacaaggat aatgcaggag gtt 213

<210> 465
<211> 389
<212> DNA
<213> Homo sapiens

<400> 465
aagccagagg agagggaaga ggttacctcc acatctctca agggctggga aattccagaa 60
aggtgtctca gggaatgggc agccacagga ctcagacccc agaaagtgcc tcgaaccccc 120
ccagcaccaa gagagtgtgt gaaccagtgg ccccgctctg tccacacttg gaatgtctgc 180

ttaaggaaag atgtttctgg cttccagtct tccacatcct gcaggtcaaa acagcttcca 240
tggggaagac atggcctggg acggtgccaa tgggagatgt atttcttgga cttgctgaga 300
aaggctccat cccactgatg gatgttggct gtgctggcag ctccgcataa tggaacactt 360
cgcttgattt ataaaggacc caacttgtc 389

<210> 466
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 466
taacctcata ggtgctgggt tgttctttat caacttggtc aagctgagga ttgtccccaa 60
aatcccaaca tttcgtggct ctgaattaga aatggccaaa gagacatcta cctgtgtgtg 120
acctggaagg tacaggtgaa gcaggacaac tgtttctgaa gctctttaca cagtggatca 180
cagactaaca aggaggtgtc agatgggtga gcagttcagg atgagaccat ttcttcttct 240
tacctacttc atcattcacg ctcatctcaa tgttggctat aaggtaaagg gaagcacgcc 300
tcaagtgatc atgcaaacaa ctccagtgaa gacactgcgc atgctctctt ccaagtgcgg 360
gcaggcagct gtgcatgtgg gcagcccacc ccaaaggaag aagaatcagg aaaggagggg 420
cgcaagactt cggacgtatg ccaacgcata aaaccccaaa gtcaaaagct caaaccacac 480
atctgtcctt caagatgcct actttggccc ctttcaagaa gtaatttact ttcgttcatt 540
nctgctctaa agctttttaa taaatggtca cttcttgctc tt 582

<210> 467
<211> 342
<212> DNA
<213> Homo sapiens

<400> 467
gtgcagccga gtctcctggc ggagttttaa gagcatggat tctggcacca ggatacattg 60
gtcacatctt gactgctgct tacaagctgt gtgctgccgg acaagttcct cgacctgtct 120
gtgccttggt ttcctcgctg gtgaaacagg ggatgggtat atcttctcac gggattgtca 180
tgagaatcaa cacattccca gggtggactg ggaagagggt ccgagactag tgggccctgg 240
agcaggtgtc acacgtgcga ggagctccag ccctcaggaa tagtttggag ccacgtggta 300
ggcaggaaat gattcgttga ataaatggat taaagggtgc ac 342

<210> 468
<211> 206
<212> DNA
<213> Homo sapiens

<400> 468
tcaacatgcc cgagtgctgt gaacgttatg agagggcctt gttgggaaca cgtgctcctg 60
ggaatcagcc cttccctctg tcctgttccc actcctcccc gacgatgctc ctgctcagaa 120
cccactcctc acctcagtga agcaacgcag cgggcaccct gtggacaaag ctggatattg 180
gctctgaata aaagcgaatc atgggg 206

<210> 469
<211> 926
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(926)
<223> n = A,T,C or G

<400> 469
tcaagaaact ggagnncann gccgtcnnac tanncnctng canngnacnt tgccntnnac 60

aggaaacgga ccnggattat attanaacta ttcaatagca agacactgca cacccaatgc 120
gagaatangn cgctcaattg ggagacgaaa aagagtgtga aattangcaa tcggcgaaga 180
gtctacatca ntggacacng cttntgagag nnngggnana aagggcctta tttccgggct 240
tattggacct ngngagcaac aaaaacaaag aacaaaattc cgggntngct cttggatgcc 300
ccccntngta tcccgngcgt tgtcatcgca aagngggccg ccccgggttc ttttttgtca 360
aagaccngaa ccttgtcccg gtgcccttga aatgaaactg caagcggacg aagggccaag 420
cgcnggctta tccgtggctt gggccaccga cgggggccgt tccttggcgc caacttgtgc 480
tcagacgttt ggtcacttga anccgggggа aagggggact tgggcttgct tattggggcc 540
gaaagngccg gggngccaag gaatctcctg gtcattcttc aacctttgct ccttgcccga 600
agaaaagtat tnccatcatt gggcttgatg ccaaatgccg ggcgggnttg cattaccgcc 660
ttggatcccc ggcttacctt gcccatttcg aacccaccca agccgaaaac antcgtcatt 720
tgaagccgaa gccacgtaac ctttngattn gnaaacccgg ttcnttgggc cgaatcaang 780
gaatgaatct ttggacccaa aaaaagcatt caanggggct ttgccgccca aacccggnaa 840
ccttgttcnc ccaagggctt cnaaangggc gccncattgn ccccaaacgg ggnaaaggaa 900
ttntcccncc nnnggacccc attggg 926

<210> 470
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 470
agaactgaga tcccatatga agaagccaaa ccatactgct agagacacac ggctcagcca 60
acaagtcatc agtcagtctc aaacangact tttgagtgaa gctgtcttaa aatatcaatc 120
cccaggacac tcacccaaca agatgcagaa tggaagcaag cgaatgaacc tagcccatat 180
tgctaaccca gagaatcatg aagaagtaac atagttgttt taggtcactg attttcatag 240
tagttggtat tgcaacaatg cgtaactaat acagcatatt attactaaat gtttaaattg 300
tacttaaata taagccaaaa taaatgggtt aatccaaaaa aaaggcca 348

<210> 471
<211> 406
<212> DNA
<213> Homo sapiens

<400> 471
caactcctcc atctttcatg aaaacatcaa gaggcacagg acgaagatca atggagtcgt 60
aagaagattt tggatttgtg tgtgtggcct ctgacaaaac tgtttccttt gtttctgata 120
ctccttgaaa cctcgcagtt caaaacctac ttttttggtt taagatcaag aaacggaggc 180
aaagagagat taaagagctt gcccaatttt agaaagctag tgagtgggac agctaagaat 240
tcatctcaca cccgaccctg gaactgatgc tcttatcact tcactcttct gccttcccat 300
gatgaggcag gtacatccgg ggcagtattg ctgtctaggc tgttgttaca ttatggtgaa 360
agactaattc caacatgaag aataaatcaa aaatttatta attatg 406

<210> 472
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 472
tcaccttggg ttcagaagct atttctgtaa gctgcatcag ctggacttgg accatatggc 60
ggaggcagca tctacatttg atgattcaat tgacccggcg gatgactaga tcgttttaaa 120
agccctttgc gttctcgcag gtcgtttgtc tatatcagat gcaaaaggaa gcgctgtagc 180
cacctcaaat cgccctggaa tgctctctca aatgggctgg actccgtgat ttgtcaagga 240

aaattggaca ttacctggta aagttcttcc taaaccatgg gcccagatgt ctgcttgaca 300
gatgtccctt atgcttgttt caatttaaag agtgtggtta aaagactttg gcatgattta 360
ttttttantt tggcgtattt ggtggaagtg ggaagggaag gggccagaaa attatntngg 420
caatttaaaa accgtaacag attttgcttg gcctctggg 459

<210> 473
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 473
ccaggcactg agaagtgtac agaaagactc caactgcccg agattcccag agaagcagaa 60
cacacagagc cacgacgaga actcaggatg gaataaactt ccaggtccat gtgagcttcc 120
aggacccagc ccacatctgc caacccaccg tgtcctctgc ttcatgttta ccctgcatcc 180
ttttcactga tgccttcaaa tatccgtgtg tgcacgggaa cagtggttat gctgccaatt 240
taaagaacca aggcttcaga ggaaaggaaa ctcatgcgtg cccccaccac cgactccccg 300
gttcctgctg gttatttgta aaagttattc acaggaggaa gagaaagagc cttcgtgngn 360
gattccctgg ttacattacg gggggggtgg aaccaaggtt ctctgggcag cttcctccac 420
catctgttcg cactg 435

<210> 474
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G

<400> 474
tgccaggtgc accttgaaca atgattatga ctgtgactgg agtacttcaa catccctatc 60
actgacttca agaagccctg catcttcaca agatctacaa tttcattttg caaatgattc 120
ccatgtattt gtctgcactg caggattttg gacaatttac ctttttttctc tctgccctcc 180
atttctctca cctataaaac tgtgacnata actgtattat taaaatgttt aaatcggc 238

<210> 475
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 475
tgttaagtga ccaacttgaa tgccagcact tgatgagtgg agggaaagta accgggagtg 60
attccaacaa gatggcacac caccccctta caccacattg gtgaagaaag ctggatgaag 120
atttccaaag aaagcggccc tggtgggagt gggctttcag gctttggcaa gaatctggaa 180
ttcccttgat agcttcttct ggagtgcact taaaacacan atttattccg ngaaaatcaa 240
ncagcatcac anatgcncat gcagggactg acagaaatgc tgcattcatg taccacattc 300
acggaaattt tgcactattt attgctcatg agggccgaca tcaatcatgt gatagcaaga 360
aatcatttgn tcatggtaga atcccctagt tggcaaaagt tgggggttat cttatcattt 420
gacacaggga agccccatat attctga 447

<210> 476
<211> 452

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 476
gtgcctagag tcctagagag ctagagatgg agggaaattc agatcatcta aacccttcag 60
cccttcactg gacagaagag gaaactgagg ctccatctgc atgacgttcc cagagtcacg 120
gcacaaattc atggaagaag cagcaggaaa ctcagttctc cagtctgggt ccaatgtgtg 180
ttttagaaat atctccacag ggttaatgac tcaatttttc atgcatgatt gctagtaatg 240
acaatcatgt tatgtttgtt tctgtagctt tggaaatcac tccttccact tgagtttcag 300
gtcccaactg tcacacctgc aggagtgang gtttgcntga aactggataa ggcctccatt 360
ttgngggagt tgaattgtct cttgtagcct aaaatctana ttttttttccc tcctctgctc 420
tcagngaacg gagaattcca tctcggtaca ta 452

<210> 477
<211> 190
<212> DNA
<213> Homo sapiens

<400> 477
agaattggca ccaagcaaga gcaaggaacc agacatcagt tacggaaaat gtatccccac 60
atcacatcat gggagcctag ctcacagaca ctgccaatgg aaattgcaga aatagatcaa 120
ctgcaaaagg ttacataggg gacccgcatg ctacattaac tctctgtgaa taaattacat 180
gtaaaatttg 190

<210> 478
<211> 54
<212> DNA
<213> Homo sapiens

<400> 478
gttgccttca gaccctgaaa gagattttca ggagaaattt cagtattcta tacc 54

<210> 479
<211> 300
<212> DNA
<213> Homo sapiens

<400> 479
atgttctgtt gactcacacg gaaatgtagt cactacactg ccattggtca acttttcatg 60
gggacatttg ttaatccaat ggtgcttctg ctggagacat ggagatgaac ccactaggca 120
ctgagaagaa tgcagtgtct cttccctgca caggatttta acttaatatg tatgctggga 180
ctggcaagtg cccaagggac ccatctctac ccattggctg tcagccagag aacagcctgg 240
tcttgggagt gtagatgaat ccattgggtt tttagctcct aaataaaaag tttcattgtc 300

<210> 480
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 480
tccttcagaa aagcaatgca ttctactgct tccacgatgt aagagaaaag caaataaaaa 60
cattcccatt ggagagatta gaaaaccaag gaaagaaacg gaggctcttc atggtcgata 120

agcaccccgg ggccagtctc ctgacgtcca ggccctgctg aaacgagtct gttctcacgg 180
ctgctggtca gggctcaaac gacagcacct tggatccgtt gtggagaaca aagagctaat 240
tgaaaacatc tgggctgagg ttttccaact ggcttctcat tttggcccgg tttccaagca 300
gtcaagctcc actgaaacat acactcccta atcgattgct gtctcaacaa caaaccaatg 360
gttggcttgg ttaagttact ancaccaggg aanaccctcc atgttctaag tggaatgttc 420
tgtcgcaaag ctgccaaagt gaca 444

<210> 481
<211> 187
<212> DNA
<213> Homo sapiens

<400> 481
cctcccaaag caagtctctt ccctctggca gcagagaagc ggattttctg ctcaacctgc 60
tttgatcacc aaatgagtca gggagaagaa catggatgga aatatcctca gtcaagaact 120
tcacaagcac cagttgcctt aaccaggggc tctagaaatt ttctagaata aatgcttctc 180
aatttgt 187

<210> 482
<211> 380
<212> DNA
<213> Homo sapiens

<400> 482
actgatactg acagaaaaat catcacatgg accctgctct catgctgtct accattcaac 60
aggaaaataa aatatgctgg actccacttg gaagaaaatg tgtttatgcc tttttaggaa 120
gtcgtgtggc agccccatag agagttggct gggtctcagc ccagggccct gggccatttc 180
tgccacccag aactcaggga gacagtctgc caccctcatg aggggacacc caactgacag 240
ggtacctgca gcttccctga gcttcccagg tgcctgcaag tattccccat cttcctagac 300
ctagcccctt tcactgcaga agcctgctta catttatctg aaaattttaa aagtttaata 360
ttaaatctat gatgtgtgtg 380

<210> 483
<211> 398
<212> DNA
<213> Homo sapiens

<400> 483
acgtgagtca caatgaaaag tcatagttgg agattcctca tccggactgt agaaaaggtc 60
atgtccctaa ctccagaatg ccaatgataa aggcacacgt acaggcatgt tagaaagatg 120
gagaagtcag aggaagatgt gcacaaagtt aaatcgctct gccctttcta ctatcagatc 180
atcaccaaac actcgtggga tcacactgag aaggatcatc caagtcaaga gctgcagaag 240
aaatggtgca catattcaag agtctcacct ttagcctttc ctctacagca gaatcactat 300
gctacattaa tttccttctc atctgatgac ttcttgagag ctttttaatt tctgcatctc 360
ctatttctta cccaaggcat taaaccagct ggcagatt 398

<210> 484
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 484
atgatgggag gcaatgagga tcaggaagat gaagtgtaat gtccaatccc cttgaacatg 60
gcaactctgg actccctgtc cagtgctctt tccactctac catgcactag ttaacttttt 120
atgactgcag tgcaaattct tatcaggaat cctccaaagg tacaaattat gtccttcaat 180
ctgttctcct ttgacatgcc cttctcctag tctgtgaagt ctgattggac tgggacctat 240
ctccccactg gaggaacctg tggggccatg agaaagttat tttttctgaa aactcagttc 300
ntnntntgna aaananaaaa taangttaac tttaccaagt tgttgggagt accagncctc 360

aacctttttg gccccaggga ccagttttgt aaaaaaaaat ttttccacgg acccagggtg 420
gggga 425

<210> 485
<211> 326
<212> DNA
<213> Homo sapiens

<400> 485
tgtttcctga atggaggatg attcccactt acggaattga taattacaga ttgaggagag 60
atgggatatg gctaacacat gcacaggctg ctgtgactct atgtggtccc tgtggtccct 120
ctgttggctg tccaagactg gagcatctta ggaaatggct cacctggagt aactgattga 180
ggtccagtca ggcatgtgag gacacagtgt ttgccccact ggaggacgaa ggaacaaggc 240
accatcttgg aattggagac cagagccctc acaagacact gagcctgatg ttacctttat 300
cttggacttc acagcctcta aaattg 326

<210> 486
<211> 226
<212> DNA
<213> Homo sapiens

<400> 486
gtgaatttgg aaccatcttc agaatcaggc tgccgtgctg tctgtcaatg tattgtaatt 60
gagacctgca agggctcttc tcacacctgg gaacatcatg gtgacattgc atctgccacc 120
agctccagcc tcaggaaggt agcatgtgag gacaggtgtg gctagttatc atcccgacgc 180
ctggttaagg cataataaaa atcagatgct gttggcctcc catcgg 226

<210> 487
<211> 199
<212> DNA
<213> Homo sapiens

<400> 487
gtcctggcct ggcatggaga tggtgagtgt gccactgttt tatcgcagct gagctggaaa 60
aaaaaatgct gtgtatccag cttccatcac cttgaatagg atatccgtga taagcaaatg 120
aaacagaata aacttgaata cataaagcca tgtagcattt tctgatctcc ctcaaaggag 180
tctactgaaa tactgaagc 199

<210> 488
<211> 467
<212> DNA
<213> Homo sapiens

<400> 488
gtggaccaca tttcccagcc tccttgtgtt ttggtgcacc catgtgactg tcttctaacc 60
aattttattc gagtggaaaa gatgtggcca ctgcctcatc tggcccacaa aagccttcca 120
cgtggcccct cctccttccc tctgcagcca cgcacacagg atccaacgca gaactgggtg 180
gcctgaggaa aggatggagc ctaagatgga aagagtctgg gtcctgaatc cccttgtaga 240
agaccgcctg cttaaacagg cactgaaatg ccccaggagc aagaactgaa acacctactg 300
tgttcagctg ctgagattct ggagttgcct gaagtagcag tcaacttgct ttgcctattg 360
cacatataca tgctcatatt taactccaat tacttgattt aacaacactc tacaaaagat 420
gtttttgaca tgctaagaaa aaaagcaatg accaaacaag tacccca 467

<210> 489
<211> 401
<212> DNA
<213> Homo sapiens

<400> 489
gttcaaggaa cacattgttc cctcaaaaaa cagaccggca gctgagagag gatggcaatc 60
ctgatggatg agaaaaagaa cagagctgtg gacacctgag agaagactat aggacttcaa 120
acatcaaccc atttcagttc tgatgtcagc aaggagagaa ctggcaaact gggccaaccg 180
tttgattgac acatagaagg ccaactgggt aaaatcatta ctcaaagact gtatttccag 240

tgcactctcc agttgtatct ggtcagggca tcatccaatg ctgtggatga agcttgctgt 300
catttagcaa aatgtcatag tgatcactga ttgtttgcct gtaatagtta atagcaacct 360
ttctgtcaat gctataatta aaaaaattgg tttttggggt t 401

<210> 490
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 490
atgatgtcag aagtgggatc caaagtagag gttctaacga cccccaagaa cactgagtga 60
ccaaacaagg tacctgctgg actcacttgt gtctgctgat ctttcagggc agctggggat 120
tgtgggcagt tgcacaacct ggaggctggc atcatggggt catttaggat tgaatctgaa 180
ggagccgctg tggtggaaat gaaatccctg cacaaaagaa gctggggctg aactatcata 240
ttctcctgga agtagtgaac cagcagctga gccacacaaa ggacatgttt gacagataaa 300
gaacactgat gccaaggtct gaaataaatt ttttagcatt aacatctgtg tctgtgcaaa 360
gctcttggct gctttcttca tttgatgctt tggatgggtc tggtagaatc tgttgacttc 420
actgnttacc atgctaatat ctggtttaag cangctctgg gtgacctgg 469

<210> 491
<211> 304
<212> DNA
<213> Homo sapiens

<400> 491
gagctaagga ctggctcaat tgactataaa gaatcgagaa tgtcagctga ccaggcaacc 60
aggagacgct ttcctgactt ccactatgca cgtgggctgc ataattgtgt ctgtgaagta 120
atgaagaacg tgcttgctct gtaacatcca aacgcgtggc caccattcac agatagtgtc 180
ctttgggaaa ggtgtgggta tagatgggga atggtcagtc ctatgaatat ggggctataa 240
gacagcaagg ctagaaagta tctgtgcttt catttttaa ttttatctat ttttttttt 300
tttt 304

<210> 492
<211> 181
<212> DNA
<213> Homo sapiens

<400> 492
tcttaaaatt atgggaggat aaagcatcag gttaaaagct acaactggat ttgcgtgcct 60
gagcagaaag acagaagagg cctgggaccc aactagcatc atactactgc ttcatcagcc 120
ctagatgact gcctacctcc ctatacttcc ttacaagaca aaataaactc cgtatttgtt 180
t 181

<210> 493
<211> 158
<212> DNA
<213> Homo sapiens

<400> 493
tttacattca ggttggtgga gaggaaagaa gattgaagag ttatcctcca gcaattatta 60
gccatgataa ggccatatct tgcaggaaga caatgaagac cagaaagtga gatcctaagc 120
tgatgattcc atgtagtaat gagtcaaatt aaatgatg 158

<210> 494
<211> 53
<212> DNA
<213> Homo sapiens

<400> 494
tcccctacca gcccctcacc caacccctcc cttttcccct tttgcaggag aca 53

<210> 495
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 495
ctccggcagt aaactgtacc tcaaaactag aagaaaggaa gatttaacat gcaaccttcg 60
cttcaccatc tctcttcctt cccatgttcc agaagattct gcataatgaa aacactgtaa 120
tctctcaaga aatatctcat aaagagtgca tgagaaaatc ccttctcccc agagcttatt 180
tctctcgcat tttaattctg aatgaaggga tcataaaagc atatcaagat ccatgttgcc 240
ccacaaagga cattctgagg caacctgaat gccccccccac ccacgtgaga tagcaagtga 300
tttttaaggg atggagtagg ctataaaagg gagtcactgg gagacaaaag gagtaaatgg 360
aagaagggaa aggaagggag aagaaaaagg cactgaggct ggcgtcacag tcttgtatgg 420
aggcagagtg aatggtgcaa tgaaaagttc cagaagggta aatcaganga cccatattta 480
aatcttgaat tcc 493

<210> 496
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 496
cttttggagc agctatggct acttagttca aaatggaaga aaagctggat tgctgctatt 60
acaatccctc tatcctgtgc gaagaaagag ccttggaact tggaaaagaa atttaaagca 120
accacaagct acacaaccat cactatgaaa taaacccttt ttgtgtggca tgaaatcgct 180
cacagaaagg cttgctcttg ttctcttgat ttccaaatgc ataaagtaaa agtcacccca 240
ctgctaatgc taggtggtta ggcagctgtt catcanaggt agtcgcaaag caaagtttta 300
atgtgaactc tgataagctg gactaatgtt ttttgggggа angggtntgt tttgaaccac 360
ctggttntaa aacagcttgt tgaaaanccc tggggtaaac atattgaaat ggctgggggg 420
aaagaaaaat gaagcaaagc aa 442

<210> 497
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 497
gactctgggg agctnctgca ttaantctac ctntgnncac ccatgtggaa tacctgtgca 60
tcagaatgga acagccagat ctgcacaaac aaccaaggac ttctcagggg cctctgctgt 120
aggagtctcc aagaaagaac aagctgaata ctcaactcag aatcagctga agacttgcac 180
aaagaaacaa gcttttgcat actcctgaca tccttctcct tctgaaacca gccagatgag 240
agcaacagct tttttagctt agttgcccag gaggcagttt ctccagtgca gggtagagag 300
ggcagccaag tgaaagagtt atcgaccatg tgtgtgctga gttcagtgca gcaaaccaag 360
ctgaactgag acttgagacc tcagcatcca cccagagtct caatctagca atctgctaag 420
ggagggttga atcctgtact cacangccca aacaatctgg caggcacant ctattttcca 480

cttctacgga acatgtggga gttgngttat taagcacggn gacagttcac acagaccgga 540
aaggtt 546

<210> 498
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 498
ggttgggctt ccttnntttt aaaangcaag tanccnccct ttnggttgtn ntngccnaag 60
gangggaac cagaagccga natgggtcac tttangccag aancccggg aaaactccgg 120
gggaatcttc cagctggctt tcctttgcaa ggggaatctt ggaacccccc atttggctgc 180
cacattggag gataataaaa gcttccacaa ctttcatttc aaggatgacn atgaaagcag 240
ggggcccaat tgtgaagtac tttttctgaa gtcccaagaa gtggacaact tgcacaagtg 300
gaaaggnnga aacttcgtnc ggaaatcccc cttattgaaa ttttaaaaga accggngacc 360
gtggaaaagc caacanggtc aaggggagac tggcanttct tcctcgatgn ccnatggggg 420
gttaatcntt tganggttct tgacanccta tttcagnaaa aaaaaaaatg ggaatctttt 480
gcnttcacaa tggtttttcc ttnttacacc cttaaatcct tccnccttta ngttcaaaaa 540
anttcacntt ttttanaata aaaaacttcc t 571

<210> 499
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 499
ggggaaccct tgcagctgtt ccacctgaat agtggagaga ggtgtgtggc cacgctgaaa 60
cctgaaacca taacgtaaga gcccaaggga gactggaaac tctacagcca tgaactaaaa 120
gcagcgtgtg tcagccgcag aatcggataa cacaaccaaa ccacaaatgt gcctgccgct 180
caggctttaa agttctacag tagagcagga cccactgtga cttactttgt gtgatggagt 240
caaaccacat ttttttttctt ctttttctca tcagacttca caggaaatat accgtctttg 300
ntcagatttg agataaggga ccccttcacc ttgactcttc tttgcggcat gaactcaccc 360
attaaggtgc tcactttcta tnctaagncc atatcatcag ccncttatat ttaatangca 420
tgggggggttg gaatggtctt aatgtaaang ggggaatcaa agctttatct attaaaaaca 480
tgggttgnaa gncagactgg gaagacaat 509

<210> 500
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 500
cagaaactga gaatgagcca agtcagaagc ccaaagaacg cccaagccnt ttnacangaa 60
agacacagag gggtgacttc aaatgatcag tccaagagtt ttgcttgtga gaaggaacat 120
aggaaggtag ccaagtatga catggcttcc catagcccgg ctttagacac cccaacaccc 180
ctacacccac atctccacga acccacacac atcagaagag tatgcagctt cgcctgggct 240
ccacccttga cagctgcctt tgtcctgggc tctggggacc tgccctcaag cctctaacac 300
agacctcang gccaggaggc cccaaaaagc tgatgccttt gggctactgg ctggtgncct 360

aaagggcatc acacacangg gtcaagtgac tttgtgttna aggcccttnt ggagtaaaag 420
ccatcatctt ttntgccccc tncagtaatt tactaacaga gatggagggg accca 475

<210> 501
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 501
gccccttcc aatactacag gagacttagg ttctaataga acaaatgatg tataagaagc 60
agcttgaaac ctcagaatgt aaccacaaaa ccacaacagc tagaagataa tggactctgt 120
tgaaacagca gagttccctg atccacctca cctgacgtgc gacaggggtg tggcttgtct 180
cttcggtcac tgccactgct caaacccctg agggaagggg gcgcacacag atggatgaat 240
gcaggagccc aagtggaaag tgttctccgg gtcccgagga gacattccgt gctcataaaa 300
acaggaccaa aaacagatga aattacttcg aaacaatcct tgaatgattt agtgtgtttc 360
ttgacaaagg gaaagaaaaa agtcatttgt tttccctgtc atgagcgcca gaaaggatta 420
acgtcatttt tgggcaatgg gagaaaaaaa tgccaaccat ttgnttacag tcatcgtcaa 480
aacccttgtt tgccaanttc attttctaaa a 511

<210> 502
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 502
gagaagacac aagaatttgg agacagcaga ggatacagag agtcagccaa ataaactggt 60
tggatcacct gttccagtgc ttcccaccac catacagaac cttcataaat accactcaaa 120
gaaggctcac tatcaatact gttggtccgt tttctctgga ggagaatgtg tctctgctgg 180
ctaaggcttt ctttatctcg tcccactcta ctacagcctg cagacccacc caagactgag 240
ggtgctcaaa gctcagaagg caaaggactc cttgccactc aacagtatca agctcaacac 300
ctcagccaag aagaatcagg gagcacaggc acacactcac catgctgaac agacagcgag 360
gaccacattt ttattatctg attcctattt gaccatctga tgtgcaaatt ttacctatca 420
tggtgccttt gctccagatc taagtgagat cagatggaat ggaggcttca tctggtcntt 480
aaggaatctc aagttttact gatcta 506

<210> 503
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 503
ataagaaaat ggaggtcaca agctggagaa ctccttgctc aagttgcata gctaataagg 60
gacttagctg ggattcctgg ccagcagtgt ggctccaggc ctggtttcta acttcccctt 120
cttggcaacc accttcacag aggaatgcaa gagaagcccc ccaacctgcc ccatctccag 180
ctatgcacac agcctgcatc ccggatcact gccccatgct gacagaagcc tgtacccaaa 240
cactcttcac tgggtcctga gtctcttgtt ctggaaggaa caacctagaa acctcgacgt 300
cactgttcac caacaaaaag tgaatctatt acaacgcaca tccctgcttt gctgttttta 360
tggcttgcct gtggaaagca gggtctgtag aagcgcacta agaaaaagcc tgacagagat 420

cccagcgacg nttcanatca gaggagaaaa atctgtccca accttatccg tttggangca 480
ggggggaagg ggtcttttg 499

<210> 504
<211> 471
<212> DNA
<213> Homo sapiens

<400> 504
tagcatgaca caattccttc aagacttccc agcctgcagg agggagtcgc tggctaaacc 60
tggatacagg ccgggatgct acaacttgct ggttgctcaa ctctagatgg tcaactgtcc 120
gttcccagag ctttggtttc ctcatgctgg cagatcatca ctgatgtcca ttccttccag 180
gtgtttagtt cgtaggccag tcctgagttg ttgagtgaga aagtaggaag agtacgcagt 240
gataacatga ggagcagaac agaagactct tttgtgtgac ctggaaccaa aggtcatcat 300
gctggggcag agtgtggata ggaggcagaa gggactacat ttcatgagca cttattatat 360
ataagaaagt gttattggct gggcaccgtg gctcacgcct ataatcccac acttttggaa 420
ggccgaaggc atgaaggatc acctgaggtc gagagttcga gacctcgaaa a 471

<210> 505
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(499)
<223> n = A,T,C or G

<400> 505
atgagaaaac aagttaaagc ctagagagtt caagtcatca ttaagtggaa ttccctctga 60
gtgcacagtt ttcaacagac tgctgaatga gaggataaag gcattaagga ggaacagccg 120
agcttttatt gagcaggact gaaagggtga attggagaga ggtgaagctc aagagcagga 180
ggtggaatga agttacagac actgagaaga aacctgtgaa ctcctagtgt gaaagaccaa 240
aaggaaactc ttgataatgg aagacaagat gcagcctgtg tgtaagggga aggccagtag 300
gaagcaggga gaatgtaatt gttgggaaat cagtggagat ataccatagc attctctctc 360
cccacggcct gcccagtgca ccaggcacac taatcagcaa tgttctcatt ctcggaggca 420
ggacctgctg ctgtgacaat tgaggctggg ggtganggca tgctgatgaa actgctgcca 480
tccccaaagc ctcgcttgt 499

<210> 506
<211> 335
<212> DNA
<213> Homo sapiens

<400> 506
gattcttctc acaactaata ttgatcttcc gaaggacaaa tgaatgagaa gcctcaatga 60
cagcaagaga aatacacaaa tgtctgcgac acaaaaacac agcaggcaat gcgtgcctct 120
tccagacatc tctaaaagtt ccccaagttt aaactgaaga agggctgcta gaaccaacgc 180
tcttcaccaa tctatttcta gttcactggc taaaaagtgg ctggagatac agtgaaggat 240
tttgacttaa caaaaatttg actcaggaaa ggaaatgtct ttttggtgta aacaggtaga 300
ctacaaaagg tattaaaaac actgttgcta cacag 335

<210> 507
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 507

catttgtccc tgactcccac ctagtggctt cttccagcac tgcacaggga caaagaacca 60
ccactgatgc cacctgagcc cggcccagga gccccttggg agctgagcgc agaaagaaag 120
cacggacaca cctactcctt tctcatctct cactcaagtt cacacctgtc acaggggagc 180
agcccattct tctgatggac cacagatgct ccagtgccag aagatctgca gtcccagatg 240
agcagcagca gtacaagata catttcccac tatgtaatcc ctcccctctg ctaacagttg 300
attcactctg gggtagacac tggacctaag gtgtgcatcc atagcttgng aataaattaa 360
aaagctttaa tgtct 375

<210> 508
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 508
gacttgaacg aatttggaac tgttccagag ctcattgttc tcaccttgtg gcataactta 60
ggtagtaggg caactccctt acccttgcct ggactcttac tatcaaagcc ctccattgat 120
aaggtctagg ccgaccacac cctaaagcat ttcttgtatg tatggatttg tttcttacct 180
atacctgaag aatggcgctg gtgaggtacc acctttggga gaattgagaa catcatccct 240
taggtgtgtg aagtgacaca gtaggaagac gggcagagaa agagcccctg ttccaagctg 300
gccgtcattc agctgagaag acggctttcc tggaggctcc acgcacacca tgccgncgca 360
ccctcttcag ctgatctgtg gcccagctgc ctcacggcaa tacccgagca tgttttatat 420
aangctttca aagctgctgc tgctgctgct gccacttctg cagtggctat acctggnctt 480
taatgnctct gctanacaga agcatcat 508

<210> 509
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 509
aagccattca acagtggccc gttcccaaaa cagtgaggtc tgtccgcata atacatgtgg 60
tggctcctga tcaggctgaa ggtgaacatc aacaacagca gagacaatct agaaaaactg 120
ccaggatgat cagaaggaga ggtggcaggg cttctcagga gttaagcttg ggaacactga 180
ctgcaagctt ttgagggaaa gcctggcagt acagaaagga ggatgaaaaa tagaaaaaat 240
ggatttgaga tgtagctcta cctctgggga cagatcccac aactcctcac ataaaagaga 300
tgccagaagg agagatcaag gttaagggta tatcacgaga gactcaagac agtcaatttt 360
gatacctcta aaaaatctgt ttaagtcaca cagttaatgg cttaaaaaat gatggcccct 420
ccccccactc tagatttaga tgaaattgng gtgaaatcct gagctatctt caatgaaaca 480
tgtcttcaaa a 491

<210> 510
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 510
tttattatct ctggctctct ctctgtgtca gcatccaagg agctttcccg ttgtctggtg 60
aaaggcagcc tgggaatgaa cattgttagt tctatcttgg ccttcattgg agtgattctg 120

ctgctggtgg atatgtgcat caatggggta gctggccaag actactgggc cgtgctttct 180
ggaaaaggca tttcagccac gctgatgatc ttctccctct tggagttctt cgtagcttgt 240
gccacagccc attttgccaa ccaagcaaac accacaacca atatgtctgt cctggttatt 300
ccaaatatgt atgaaagcaa ccctgtgaca ccagcgtctt cttcagctcc tcccagatgc 360
aacaactact cagctaatgc ccctaaatag taaaagaaaa angggnatca agtctaatct 420
catggagaaa aaccacttgc aaaaacttct taagaaaang gcttttattg ctacaatgat 480
ttctaagctt taaaactggg gttgagt 507

<210> 511
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 511
gaaacaaact gagaaaacac cagacgtggc gacatctata actttctact tatatgctca 60
tcattatgtt agtgtcatgg accttaacag ttctgtctgc ccagaccact ctccttcctc 120
tgaaaacgga actcctagtt ttcctgttaa taccccgccc ctctggaccc tgtggttcct 180
atggcagccc ggtttccaga tgaaccaatc ccgtagtcca ggagcagtca cctgacccaa 240
gctgagccaa tgagaggtct accttgtgca agttgatgcc cgcctttct gccagaagaa 300
tatcaccgac ccatcccttg gttccagacc attcctgaag gccccagcag caagngtcat 360
gcctctcgtg gcttggttaa gttggcccct ccttgatttg ggggaagcca atggatcatc 420
atcttggatt tcagtcactt gccatcact 449

<210> 512
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 512
tgtgaattct tccctggagt gaacctcttg gatgtggaac acgacagaac caatactggt 60
gaacaacagt cctccaagca aatgatagtg ctacatacaa aggaagttgg aatggatatt 120
ggttaagcaa aagcaatgtt tgttgagcaa actcagcctc ctcatctgtc tatgggtcta 180
agtcatcatt tctttttctg gactacacta ttctgactcc ttcaaaaaga cctttggtca 240
ctttgatggt taagctgttt gaatgctgca gaaccttgac tcaccacgtt tactggagga 300
gccacaaatc catgatgagg aaggcaagnt tgcctttact tttcacagnc anactccctg 360
gaaagcggtt ctgagacaga gattggcatt caaggagtga atgggggagt ggcagagggc 420
tccttgtgtc aaccactgaa gggaaaaact g 451

<210> 513
<211> 198
<212> DNA
<213> Homo sapiens

<400> 513
gttgaaatta aggagcccag caaacaagga cgttgcaatg gcagttagaa acaacagttt 60
tgaaagggca gatgaaacag actcgctaca agacaagggg attgttgaaa agccctccac 120
aacaaaggaa atgaactcaa atccctaacc tgcggggcgt tccagcaacc ctgaggccaa 180
aaataaagct ctctgatg 198

<210> 514
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 514
gaccactagc tctgggggaa gccagctgct atgctgcaaa cagtcctagg ggagaggaca 60
atgtgggcag gaaataggcc acctgccaac agccacctga atgagctcag aagcagatct 120
tctggcctgc tcagcttcag atgaatgcag cctcatgaaa gaccctgaga caaaaccacc 180
cagtaaggtg gccagaagga tcacctctcc ttatttatgt atatggagac ccatgagaaa 240
aatagggaaa gagcaattac aatggcaaca gccaactgaa tccttccacc cactggattc 300
tttgatgaac tgctgcagaa gctcattcat gccttgngat aatcnccana caaganatcc 360
ctgccttctt ccttacgtaa gatgttctgt tgggtatgaa gcaagaggtc atactcgcaa 420
ttgacaagcc catgccatac caaagagtat gtgtactgca a 461

<210> 515
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 515
gncngaaact ggancntttt tccgaggggc ctttttngan gtgncntgga nttccttggt 60
cttttngaan caaaancaaa ngtccgccaa cttacaggnt ccttcttctt caaangaagc 120
caaaaaacct ggaaaaattt tggtcaaagg aaaaatactt ctttcaaagg aaaccgccaa 180
gccggatttc ttggaaatgg cttggattta ttattcaagc cggatttctt gaatggcccg 240
gattattatt caagccgatt cttgaaatgg cttggatttg gtggtcaagc cggatccttg 300
aagatcaaga aagggccagg tactcttggg cttacaagct tgcctccctt acaaaccctt 360
gcaaaccttt attttgccca aaggtaaaaa aacaagccgg ggggaggaaa aagaaaagcc 420
cccaaatctt aagccccggt cccaaaatca ccaccaccna aaggggcatt ttttaaattt 480
cancaaagaa gnccttaaat ttccaccctt ggtangggaa ccacttagcc tggtaggtcc 540
caanaaaacc gtaccggtta agaaaaagaaa atatttgggg aaaaatanta ntgcttgagg 600
tggaacttgg tggtttaaag ccaccaagaa cttggatncc cantcacacc ttggtttc 658

<210> 516
<211> 260
<212> DNA
<213> Homo sapiens

<400> 516
attttctggc aactggctga tcctgcccca accagtgact catgcctcaa ccagtcctgt 60
ggccccatct ggaggccgac tctgtgcagg aggaccattt tccacacctc tatgatacca 120
tctccaaccc attccctgcc ccctgcccac caacttgttc ataaaaagcc tagcctcgga 180
cttctcagag acactgattt gagtaataac tccaactact gcatggccag ccttgagtta 240
ataaaactct ctcctgcaat 260

<210> 517
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 517
gtttgtgaac atccacgtgc agagattgga tctgtggaaa cggcactgct ccagagactg 60
cgctgaacca gcaaagaatg aactgtgata acaagcaggg agctctgtcc ctgagaacgc 120

ctcacagaaa gactgaaacc acagttgctg acctgagagg ggagcaggag gtggaaactg 180
gaaggcagta gtctaacatg agagctgaag aggctacaca gagatgggaa gatctcctaa 240
tgcactgatc atttgttgtc tcacatggtt aggtagatta tcataccacc tgcaaataat 300
tacagntttg tctttttctt cccatactta ttncctctca nttttaaaaa tttattttgn 360
atcattttgg ctaagggacc tcagtacaat tntaaataat catggttaca ataaccaaat 420
gtatccagct tagatg 436

<210> 518
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 518
gaaagtaaat ataatcttat agattgatca gaaagtggaa aaagattgat tcaccatttt 60
gaagaacaga agagtctaac atttgaaggg aatgagaatg aagataccca cgcaaaccct 120
tccaaagctt tcatgtgttt caagttaaaa aacaggattt tgtgtgtgca aaggtgctgc 180
aagcggaggc tgctaatggc tcataactgc ccccttctcc agagatttcc tcttggacat 240
ttgcctggga ggttacctcg ccacccccag cccaggggca gcccacctgc aagggctaat 300
ggacatgaag aatacaaaag accngcccac ccccntcaag gnggaaaaaa ggatgcaatt 360
tcctgatggg caaaggcagg caaatgggtc ttacttccac attgtctcag gaaacacaat 420
aatagtcact tggctctcac catatccccc ta 452

<210> 519
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 519
aaattgactg ccacaacaaa acttggctcc cgtataagga aaaaggaaaa actgcataca 60
catttaagcc gaaaactcat tacagaagaa aattagaagc gatgagaact gcaaatcctt 120
ctttattgct tctctaattt tttcaaaaca aaacttaact actgtaacga aactattcag 180
ggaatagttt tatgattaaa gaaaaaaaag tgttgcgcaa aaaaaaaaag gnngncgggg 240
ncnnttnanc tnggncttan cnaggnngaa cttgttcaaa aggggggggg 290

<210> 520
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 520
aacttgagtt ttggtgaaaa aaccaatggg tggctgggtn ggtggcctgg accgttttgg 60
ccaatcttgg cttgggctgg ccttaaccaa ccctntactt tnaatcctgg ggcaagcttn 120
caanggaang gaacattctt actggccacc aaagtttnaa tccaagcaaa ggtctaacct 180
tgggccacct tcnttcttgg gtntgggccc attggangct tctaaccaat ggtacaaatc 240
ccaatcaatc taactggggt gggcttcaac caccaagggt tttcgcttct gggaatttcc 300
gggctttggc ccttttccgc ttggctgggc ccattggggg tcacaacccc acccaangga 360
aagaataaaa gcttcngaag ccttgacttc ccaacnaaac ttccctttt tcacggaaga 420
agtcnaaaca agcaagnctt ggaangggcc ctttttaacc aaaaaanggc aanggttggg 480

ccccaanttt tttggggaat anttttccaa gcccncccca gaaaaatcan ttgangcccc 540
aaaatnaaaa ccctcttttt ttnttttttat taaaatt 577

<210> 521
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

<400> 521
cagaaactgg agggtattac acaatgggcc ctcggtttat tgggagaatg ggagccattc 60
ccaactggtg ggggggaaag aattttccgg tccccaggcc ccagcttgtg gaagaatacc 120
aagtaaaggt ttcaaagaat ggtcaaggaa gggccaaggg cccggccccc cccttggctt 180
cggggccaag caacaacaaa cgccacaatc ccttggaaag ggaagggtcc cttggaagaa 240
taccgaatgg aacaaggggc ccattcgggg ggggaaagct tgcttcaagc cgcttgggaa 300
gtgggtggga cccaaacaat tgaaaacttc acttgacaaa aggggaaaaa ggggctcttt 360
cctcaataaa cccttccgat cccgaaatac cacttgggca aaaaggggca aacaactttt 420
tggctttggg acccttcttc cccaagnttc ttgaataccc cctttaagaa aagaaagaan 480
ttttaggagg taaccttncc aagaaatttt cntttaccaa ttgggcaatc ttnccaagaa 540
aatggggcnt cttngggtaa tttaaatggg aaatcctaaa ggnggccctt tttttaaaat 600
ggtattcccc accgtttttg gttnccccct aanccattct ttttttttt tcaagaatga 660
atgg 664

<210> 522
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 522
gtctcatcct atgagcttgt gctgatttgc tgatttacat atctccactg gcgaaaatca 60
tatctgttcc ttaggtccaa ttttcaagtt ccaagcattg gcagtgtgac cacaaatatc 120
tatgatctga tgctttattt gatttttgtg tgtttgtttt aatggaagtg tagaaaggga 180
gggaagaagg gaggggaata tttgatttgc tgtctagcca acacaattct aaaaagcatt 240
aagtggaaac tgctacaagt gtttattttc taactctttc tggtataatg ggaacagtca 300
agatctgaac aagaagtcga tataanggtt tgcgggttat gataagcata tcagccagng 360
gatagactaa accccagtga cagctgggat ggttcttgga atcagacatn cttcaataac 420
atgtttcccc aaagcttata aacattggtg g 451

<210> 523
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(666)
<223> n = A,T,C or G

<400> 523
cagaactgga gggtcttcct attccctgga gaacacaaca attattggaa ataaggggcc 60
caattaaata aacccctaca aatgggtctg gtaaattggt gccaaggtgg gaaagaaaag 120
gaaatccggt ggtggccttc ttccgctttt aaaaatcaaa aaggcttagg aaaaatggaa 180
ttaaagcctt ggacttggag gggaaagggg cattggtttt gaaagcttga aaacaggact 240
tggaaaggcc aaggttcctt ctttgcacca aaaagggccc aaagtttgtt taaaagcaaa 300

aggggaaaaa attattttgg aaagtaaaat taaaggtgct acttcttaag taaaccacaa 360
ttttggataa agaaaaaggc caaaaacaag cctttatttg cttgggtacc aagaagaaaa 420
gttttggagg tccggtttgg gggtaggaaa anaatcnaaa ancccaggcc ccccaaacca 480
ntttcccntt ttaaagccaa aaaagcccct taatttccca gggaangggg cccccttaaa 540
cctcttnttt tcaaattctt tnttggaaaa gaaccttaaa gaaagaagcc ttggacttta 600
agaaaccccc aagacanggg gacntcttga cttcaagcct tnccacgcca ggaacaacca 660
agccaa 666

<210> 524
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 524
cataacttga nagtcanagc tctttgctgt gtcaccccag gcttggagtg gtagtgggca 60
ntggatcatt aagctttttt caaangcttt ctttccaact tctggggctt caaagccaat 120
ccttccccat tcttcaagcc ctccccaaag gtagcccagg gactaccagg gtggaaacaa 180
ggaaaaggaa agtggctggt ggtaccactt ttccaaagaa tcaacccttc aanggtanca 240
ggctggtctt ttttggcttc cttcctttgg gtctttttte cctttcccac ttcgctggga 300
tgaaagaaaa aatggacaaa agcaaaagcc acacatggga aagaaagtct tgggaccctt 360
ggctgactac cgaaagaggg acaaacaacg gnttcaactt gggacactga ancctggact 420
gnttagatga tcagacttag gacncangga agatttaaac cnctgggata tgaattcaag 480
ggcattatgc tttttatacc tacaaggtga agccaggtcg agactcaana gaaggttaaa 540
taaactttnt tccaaggacn aactgnttag aaactggaaa 580

<210> 525
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

<400> 525
gagctggagc gacaacaacg acgncgtttc cgtttcaacc acctttttctt gttcccgtcc 60
ttgaggacgc cgggccgggt caagtggtta agccttccan ccttggttgt gggaaaggcg 120
aacagaaagt cattgggcgg atggtttgga gcaagaatna agaagcccaa cgtggggcaa 180
agtttgcttc aaggggtacc cgacagggta ccaatccctt gagaaacctt gggcccaccc 240
ttggaagccg ctatgtagaa gacgcangcc caagggaaaa tgcctatgat ctgggaaagc 300
caacctggct gtcctgaagc ttgtaccaag ttcgacccaa ccttcttttc agaccacggn 360
cacccggcca aaatncttgc tgaaaggccc ttaaccaact tggncggaca caaaacttta 420
cccttgtgca agtgcattga tcgacccagg cacattcaaa gaaagaacgg ncaattccga 480
cagaattttt gtaccttggg ggacctggtt gggaaacgt 519

<210> 526
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 526
gaaacctttt cctcggagac gatttagaag atagaaggta atgatggcca atatcagaaa 60

tgcatcttta atntcaaaga tgaaaacaac caaatggaag aggatgagag aggggcaggg 120
gcgccaagtc accaggcaag gtttctaagt gtaaaatagg aagcacacag accttgataa 180
gtanttgatc caaagttgaa catcaacgta aacagctgac tgaatttgaa gccagacttg 240
tctgatacta ctgttcatgc tttgaaactg catcattcca gctgatatca ttaatatagc 300
aatctgtata aaaagttctt aactgtgaga cagaatccag gaatcactaa cattctttaa 360
agac 364

<210> 527
<211> 304
<212> DNA
<213> Homo sapiens

<400> 527
tacctttggc ccacagtgtt cttatcttat agaacacaca attagccagt gaaaaactca 60
taactagtct atctagtgga gaaaaattct tgtgggcagt ttgaaagcct ctaagagaag 120
attatgaagt ttggaaccag atgccaggag acacgaggaa ggctgtagat gctttgaact 180
tgtctactgg aggaatatgc tatgttgtgt acttcatctc tatgaatatt tagcaaggat 240
ttctactgaa cgtttgcagt aataaaaagt atgccatcag ttttaataaa gagacaccca 300
ctcc 304

<210> 528
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 528
gtccccaggc actgganana ancagagcta aggaggggaa gtgtctgtct gtcttgctga 60
aagcagctgg gagtgggaaa aaatagtctt gtccactttt ggctatctca agatgaacat 120
ggagctctcc agcagaggaa atgtctagga ggataaggtg acatctatca agtgaaccta 180
ctatgcgaac acatctgctg ataggcctga cccatttcta tcatctgaga atctcaagta 240
gcttgtccac cagccacaga gagatgagga aactctggaa aaagcagctt gcccctagta 300
tgtcaggtct acaagaaaag ggagacantt ggtngggtng ttttttgggg cagggaaacc 360
tncctcacag gacacgacct gggaagatca naaaacccat tggnttaagc tncaaataga 420
gaagatgttt gaaacacaga gaaggcg 447

<210> 529
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 529
gcatctcact acaacgacct tagaggtggc ataaactgaa atataaaagc tgggtctatc 60
aagcaactaa aatctgattt gatggttaaa agctggaaaa atccaagaat gaatgaaaga 120
gcttgtggat aggcccagac agtgggcagc atggctcttc tccagcctgg gacacagctc 180
atcactcagg gtggatcctg gagagaagct gcctgagttc agcctttgcc tatcccagta 240
ctcactgtgt gcacccagag gagcttctgt gtatctgtga gaccctgttt cctcatctgc 300
aataccagga ctcatattct aacngggctt ttgaaacctn aataanntaa tgtaaggctt 360
gggccatgta ttttcttcaa naatcgttgc tgtgaaagag ccagtgaagt cacagagggt 420
aaagtcaatg gtcaaccttc ctgattaatg 450

<210> 530
<211> 248
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G

<400> 530
cctnagnaan aaaaantntn aaggggcana catnaaaatc ctgaacaaca gctttaataa 60
tgctagagag gcaaacctca gaaaaatact aaaacagcat caaaaaggaa tcaaaatacc 120
agccacaatt ctatttcacc cccccaacaa ttatcaaaat aactcaactc tcacccaaaa 180
aaaaaaggcc ngcgaggcca attcagctng gacttaacca ggctgaactt gntcaaaagg 240
gggggggg 248

<210> 531
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 531
gatgacgagg tgcatcactg aacatccagc ccccgaccag ggacctattc agaagcacga 60
actgcaggct gtgtcccacc atggatcaca ttcagcccag actcagctcc ttctgcaacc 120
ctgccaaaga gcctacgaat gacggcccca tagcccaggc cactctatta atgaagaaga 180
gtgcactggg acacttgagg agaacctgtt ttgtctcatg tttttgaagc aagagtaaaa 240
aatggaatgc ctcaaaatgc tacaatccct ctatattcag gtgagggaga ttcttgtaat 300
tctgtgggtt atgacatgat attcntttaa atatttaana acctttggtt aaaatt 356

<210> 532
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 532
tttggacctg attaaagaag ggacaacaaa ggccaatttg ccatcaccaa aggagcagct 60
tgacctggag ggatgaggcc tggaggccga cagcaggact ccgtcagtga ttctttcagc 120
tcttgaaaat gatccctgaa tccaacggag ctgcatctac agaatgaaaa aggtagaaat 180
tcttatggac tggaatcttc ctcaaggctt actttgttcc tgggatgcag tggtgcatag 240
aagatagggc attgactcac tcagacctgg cttgcccagc atgcattgca acaatgatgt 300
gcaagttatt aaagacatga gtgaattcnt gccaaattgg canaaaaaaa accaagagtt 360
ttntacaaca aaaaactgct tatggaacat atacttctgc ttgagttgaa tgtgttgggc 420
ttgagtgtaa gaaaatgcaa gctgcaaatc taaaa 455

<210> 533
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 533

atatcacaga tgctccatca aggttgaaac tgtgggagct cagaaaccat tatcccaaaa 60
tctagcactt tgacatgaga actgaagaag aaggttttag gtctctgacc ttgccctgct 120
cctcctgtct atcaatcctt tgtcatttcc aaagcacaga atataagttg ttctctgaag 180
tttcttcatc tgcccaaatt tcagacatgc caaagaagaa aacagttacc ttgggctcct 240
tttctaagct tttattaact gaactcatct tgcagaaaga aagactgaaa tctgtcaaca 300
cacttggaca gacttttgtc acaaaatact nggntnggtn ttaaagggcc ccaaacanac 360
cttgntccca gggccattgg nttgttattg gaagcccatt ggaattcttc ctaaagataa 420
tttattatgc tccgtcaaat catccatact tgaaaa 456

<210> 534
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 534
tgaaggtttg cagctccagc gagcctaaag gaggagccag gcacagcgga tgaggaaatc 60
tcctgcccaa gaagtggcag gaagactcct ctccctgctc acacaggctc ccaacatcac 120
tcccaggaaa acaagtgcca tctccccaca agactgtgag ctctgagcac agcagagact 180
ttgtcagttc tgttcctgga tgttcaccag cacatggcag caaatcctga gagctggctg 240
cagtcagact cttctacctg acccaggagt gaccggggca cagagctgat tccagagaag 300
tctcctctaa aacaaggnat gggaaccact tttttaaccg gcnttgtttg ccttttacag 360
ttgaggcact aaattcatgc atgagcggcc tgggttcaaa ccctcactct tgccacttct 420
tggctgagtg acctagaacc aagc 444

<210> 535
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

<400> 535
cagaaactga agaacccnat tggaaatcgg nnggaaatcc ggnnttttaa nttaacnngg 60
nanccnntcc naaagtcctn ggaattttgg cccanggttt tttgatggac tccttcccaa 120
atttttaag tttaccggct ggaaaactgg atggctggcc cgatcggcct tcgggaaagc 180
cccggtaaga accatcacgg gatgccgaag cttttaaggt aactcttcac agtgggangg 240
acanggaatg ccaggccntn tgaagcccaa agcttaaagc catcatattc ccggggacct 300
gcacacattc aagatgggcc ggntcctggc cttaactgat gacatttcca nccccaaaaa 360
gaaatggaaa atgggcctgg ttcctggcct taactggagg acattatttt ggngaaaatt 420
ncnttttcct gggtcatcct gggcccaaaa gcttccccta attgagcacc cttgggaacc 480
cccaattctt ggctggccaa aa 502

<210> 536
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 536
cagggaactg aaccagtggg aggaagatgg ggcctctgat gcctggatgt gaagaattca 60
gctaaaattt tcaatagatt gctgaagggc caactatgta ctagcatgag aaaatagaat 120

ccctggaact gcagacacag aggggttcac agccactctt ttccaagaac ctctctatgt 180
gctcacagag aaagagtggg ggcaggacta gggtacaggg aaagctaccc tcaattctac 240
aggagggagc agatgctact aatggaaagg cagagagctc ttcaaaatta cttgtccctt 300
aaaagaacaa aagctttaaa ttgctgggga aagaagnacc atacactgtc atgctggggg 360
gcatctgtat cttgaggaaa atgttaaaga atgaaagact tcacccctgc agaagaacag 420
taagtgatcc tagacctgga ctatcaga 448

<210> 537
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 537
gnanaactga tgacacagng gngntccaaa aatnaccncc cgcncagggg ctttttgntt 60
ggatttccgg aagaatcaan gggcagctgc aatgactctc ccgcccggta ttattggcat 120
tggcagcact tattggcagc tggcagaacc cagaatgaat ccacagggaa tgcctggtag 180
tanccaaatc aagtaccaaa caaaatcccc gaaatggttc aaaccagaca gcttcgactt 240
ttgggcacat gtgtatgctg ggagcaccca gtttctagtc ccagaatacn ccaaaaaaat 300
aggaaaacct atgtgctatg ggctttgata gggaatgcca gtaattagtg gncctggtct 360
tcaaaatcat tggggatgta aaanactgca accanaattg ctttntgagt aacctgaggc 420
ataaaanagc tgctgatata agtcaaagct tgcctctttt tggngggccn ccaacatctg 480
gtattttta 489

<210> 538
<211> 315
<212> DNA
<213> Homo sapiens

<400> 538
gcagggagaa aggaaatgag aagcgtacgg aggtcgagag gattcagagc tgtctactct 60
ttaatcagaa ggaattactg aggagagtta gaaaggcgat gtgctcaata caaaaccggg 120
actgggatga gtatcaagtt actgcaactc gcttccgccc agaacaacaa acgaaggtgt 180
gtagttggga atgagactct caccagtgct ctctgctgaa gtttccggtg catacctccc 240
acggctactt tatttactgc agctggccaa agttttatag cctgtttcat gtattaaaat 300
tcaaatgtgg aaaac 315

<210> 539
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 539
gctgttgcta cccatgtgag agtaaagaag ggaagttaaa tcagtgctgc tttccttgat 60
ggttccattg atccaaaagc ccattgaagt caataggatt tcgtctttag cagaaatgct 120
gcacttagat tatctccata ggaaagtaca gaaaaaaaaa actgatcgaa atagctgagt 180
tactttcaaa ccaccagcct gctttatttt taaacatatt agaagtttca ctaatcttta 240
aagnggattt tgtncactga gagtaatact tataataata atataatgca ttaaagaaga 300
gaaaact 307

<210> 540
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 540
agagaagaga aagaaagaga actccttgaa cttgaaaaca gaccatcaat gagacagggt 60
ctcactgtgt tgcctaggct ggtcttgaac tcctgcattc aagcgatctt cctgtcttgg 120
ccttccaaag cactaggatt acagatgata caggttaaga ttaagctgtt tctttcatgt 180
gagtctcatc actgagatct gattccacct acaaaggttg cctctagggc tttagattga 240
gatgttaaca tggactgaac tgtgtccctg caaaattcat accgttgaag ccccagctcc 300
cagtgtggct gtagttggag ataaaacttt tttaanggan ggtaatcaag cttaaatgaa 360
gtcataaagg nggagctcta atccaacagg gtcgatgccc tcataagaag aggaagagac 420
atcaagagtg cacatgcaca at 442

<210> 541
<211> 469
<212> DNA
<213> Homo sapiens

<400> 541
aaatccctgc tatgtgcttg tcacaggaga ggcgctcaac aaatgtcagc tgaatgtatc 60
aatagaaccc acacaagttc aaacgtcaca ttcaagtaac aagatgttta gctgggcaca 120
tggccactca aaatgaagac ttcattcttg gcctgccttg caggaagata tggccacgtg 180
actgagatct ggcctatgga atgtgaatag aaatatattg cacctccccc tttcttcttc 240
ttctgatcat tttatccagt ttcttggaac ttggatcggc tgctgaaact ccatctcgta 300
ttatgagggg aaaggccata gtccactaga gttactggta taggaagctg gaaaaagcct 360
gtgtccccaa ggaatttttt gagcaacgct atcatgtcac tcctggattg actgcctaca 420
agacattttt aaatgtgaga taaataaacc ttcatatttt taatcaaaa 469

<210> 542
<211> 470
<212> DNA
<213> Homo sapiens

<400> 542
ctacttccta cagggtgagc ccaggacacc aggacagagc tgctgccacc tgcccatgtc 60
ttccaaaagc gacattttga gctcattact actagatgtc acaatacaga atagggtata 120
cgtcgtagcc ggctctcagt cccaaaagca gggtatggcc atgcaggaaa taaaggttac 180
agagtgctga cattatgctg atgacatgct gtcttcaccc aaaaaagatg cagcaaagtc 240
taaaactgga aagagctttg gagatcacca acttaacatc tttggtattt taaagacgga 300
tgaataggtc aaggtgagaa atgagttctc cagtgtcatc cagccctttg atatcacagg 360
cagagatgga actactcctt cccaacccta taataataaa aatagtctac tctcctcatc 420
ccacaccctt tcctgatata tcctatgcaa atgcacagaa gatactttgg 470

<210> 543
<211> 459
<212> DNA
<213> Homo sapiens

<400> 543
gtttatgagc aggaaccatt gcttaagaaa tactcaccat caagcagaat catgagggac 60
agagcaccat gaactcaggg agcaaagaga acactgtggg ggtattctta gggatggaat 120
ctccacatca aatccattgg caagacctgg atgttcttgg aaatgtgaaa cattgaaaat 180
gttgaacatt aatcttctcc tcatctccag tatcaacacc caactgaggc caccatcatt 240
tcttgggttt gggtggacaa ttgcaacagc cacctatgac tgctgtgact ttgtctatga 300
ctccagttaa tccatcctcc actccaccgc ctgaatgatc tcttcaaaat tcacagtagg 360
taatgacacc ccagtggaaa atgctgattg ccttctactt agaataaatc ccaaattctt 420
tactgtggcc tataaaaccc tcagtgcaat cctcaaaga 459

<210> 544
<211> 479
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 544
atcctgaagt caaccaggga actgggtggc tctttggatg naagaaaana tttaaccatc 60
agagtaaagt gttctagaga ttaatgggct tgctgtttgg caaggtccat agacgtcctt 120
tcctgccaat acaaatatat atattgttga agcacaagac tatatccaca gataggatta 180
catgttaact gaaaagattc aaggaagaga agatgggcca tcaatgaaaa atggtggtta 240
caatgaagca actgatttca cagctaaggc gagagcactg cacttcctcc tcatgctttc 300
tggttgntaa actcccacta agaagcatga aaaagagcaa gatgcacttg aggagataaa 360
gcagaccttt gaagggaaac caaacatcag ttcaagttgt aacttagaga ccagaaaaga 420
tattccaagt ttttgtgaag nttaaaatgt gctcttttgt atggaaaaaa taaatcctg 479

<210> 545
<211> 408
<212> DNA
<213> Homo sapiens

<400> 545
gaattgcaag gggagctgtg ggcttgacag tgctggcagc cattgcaact gaggatggaa 60
ttaacatgga acacaacaga gctggacgtc tgagccctaa ggacggcttt tgggatctca 120
aatccagcta tgcctgaaga cctaaagcta gaagctcctg tgcttttcag ttacagccag 180
taaatcctct tttttggctt aagccagttt gaattgggtt tctacacagc ctgaaactgc 240
tatgaagtca aaggtagtgt tagtgctgga agacactgca tggataacct cctcaagggg 300
ccacttcact ttcaccacca aatgcccctt ttcaccgatc cttgtctact gctaccttgt 360
ttgatagatt atgtctacca aaaataaaca aaacccgcat tgagaatc 408

<210> 546
<211> 422
<212> DNA
<213> Homo sapiens

<400> 546
ctgttattgt tccttgaaaa acagtataaa acaatacaaa cactcattga catggaccca 60
atctattctt gacttttaa ctgatggatc acattataat gcagaaggtt ccttgccctg 120
atgctgaaaa cagacttgcg aagctgaaaa tgataagagt atgactttta gttttggaat 180
gttaagaaat aatatactgt caaatcattc aatagatgac attgttaaaa catgaaacat 240
gaatatgttt cgctaaagca tcatcgtaca attgacaatt cttgtctatt tttacttta 300
tttgggcagc accatgaaca aacttgtggg gccccacgtc ccagccacgg atggtgcatt 360
ggctgtgcct cactctgata atggccttcg tctgaatgaa attttcagtt tccaaagact 420
tt 422

<210> 547
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 547
cnaaactggg ggggggtctt ttaagccgag atcgcgccat tggactncag cctgggcaac 60
gagcgaaact ncgtcttaaa aacaaanaag ctgncatttg gccccanatt tgngccttga 120
aaccaccacc gggagggcgg ttcccacaag cttcccgggt tgggggctga ccaattctgc 180
caggaaaact agggcgacat tcccaaatca tcccccttgac agccctaatt cttacttta 240
agaaggntct tggtaccatg gaaaaccgca aatgcccggt aaaggcagat ttaccatgaa 300
agctaataaa gcttctaacc tc 322

<210> 548
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

<400> 548
gtgggggtct nttcangaag ggagggcaga aaagaaagaa nggganggtgg ganctcaaag 60
cttggggaac ccactgggaa gagatgggaa ttagaaagaa gaaggggtcc cgaaccagac 120
agggacctca agggcagaaa accaattatg gtcaattaac ttcttcaact cagcaaatat 180
ttttcaaatg gtcaagcaca tggaaaggag ccatatgaat gacacaaaca tgactggaaa 240
cctctgtctg cctcccagag cttcgattcc tgcactgggg tctttcaaac tcaggtacca 300
aatggcttcc tccgagggga aaaactaagt cctgccagat gcccctgggt acattacttt 360
ggggtccatt cttaaattta aattaaacta cttttatccc actatt 406

<210> 549
<211> 422
<212> DNA
<213> Homo sapiens

<400> 549
gaacatcatt ccttctcatg catggtctgc agtgatggga actgaatgca ccagcagcag 60
ccatatgagc ttggaggcag atcctgctcc aattgagact cagctgagac tgcagcccca 120
gttgacacct tgattgcagc ttcataagat cctgaatcag ggaatccatc tcagctgtgc 180
ctagactcct aacccgtaga aatgcgaaag gaagagtaag ctactctcac ctgggaggtc 240
cagctggtga agaccacaag agactgtctc cagtgggaaa gagccttgag ggagctcatt 300
tactgcttcc acatgtgtgg tcacagaaag aggcatcatc tatgaacaag aattcaggcc 360
ctcaccagac atcaaatctg ctggtttctt gaccttggac ttcccaacct ctggagctgt 420
ga 422

<210> 550
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 550
atttctcatg gaaaaggacg gnctggagcc tttgaacagg ggctggggtc ttccttctgg 60
gtcagcaatg gggggnggaa aaccgaacgc ccttcggggg aaagggaggg tcaccccaag 120
atcttcaagt tcaccgaagt ggcagcctgg gattcaaggt ccctgcctgc cttccagaac 180
ctgagctctg aaacgctgga ctaatcaaga acctcttggc ccttgaaaaa tgaggcctat 240
tgaacaaaga catttgtaag aaaagggact attacaacct agtgtaaagt aacaagcaaa 300
taaaaaatga aatggcacaa ctcctcccac 330

<210> 551
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 551

tgtggctggg aactgctgta gctattctga gaccacgaga ggagtcactc ggaagggaaa 60
gccgacatcg agtatcggga gatgaaggga aatgaagaga cagcaactac ccgaagccct 120
gacggcatcg ctgggctgtc aatcaaccct ctcacttctc taacttgcaa cttacttcac 180
gggatgtttt tccctattta agccattttg agcagggtaa tctgttatat gtggttgaga 240
gcagccaact gctatactag tctagagagc taaacccagg caccccctta acaatcgtca 300
gtcagagtgg gtcaggacaa taagcacaac ctgcttttcc agactccttt gtcctcctcc 360
ctgaatgctg aagaaacaac cttcccttct ggtcttcatc acacttctac acacccatct 420
gcactaattc cactgtgctg ngatctgctt tgtatacat 459

<210> 552
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 552
ccacagatcc atgatgtgca gttctcttgg agcaggcgct ggcttgtgct ggtcactacc 60
tttccacaag tacttccttg ccaagaaggc cgaacaaagg ttcaaacctg aagttaaagg 120
gggggaaaaa tgaaagggaa actttcttgc accaaaggga agcttgcccc aagctttttg 180
tgggggggaa gaaaaagtgg gatgaaggga gggggcttga aagaaagcct gatgggcagc 240
cctgggatga agaaacaagt gacccaagcc aggtgggacc ttccagggaa gtatgcctgn 300
ttttcctggc acttcatcac tgtcatgtgc aatgacttct ttcagggctt gcccagaccc 360
gacccttgaa acaaaactct tgactttctg ccatggatct ctttggggcc cangactggt 420
ggatgccttt gaagttttgt attcaataaa actttttttg gctggtgata at 472

<210> 553
<211> 440
<212> DNA
<213> Homo sapiens

<400> 553
gatgggtgtg tgtggcccat aaatcaactg gacgcacttc cctttgtttg cacactgcca 60
ccgacacagg cttgctatga agaagaagaa attttgctca gaggaaacta gaaaacctga 120
acgtgtacac aatgctgaca tattttgttg ctttcacccc tcttaagaat ttctaccatt 180
cctttgagaa gttgattatt tttaaaactg tgtatcattt tgccttcttg ggcaaattgc 240
acagtcaatg atatgtttca ccgagtatgt aaatcccttt tacatatttc aaaataatat 300
ctaattaaaa tgtcaaggtt atagctcatg aggctagagt ggacagggct ccacccccctc 360
cctcagcctc tcaaagtaac atttaaagta tgtcctataa ttaggagcaa ttataaattc 420
caattaaaaa gaacctgcat 440

<210> 554
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 554
cnnaacttga gggtngagag aaatgagggc atngccnata acttggaagt tcttnaagtt 60
tacnatggga aagccnggcc cggtgccagt ggcatgcccc tggtaattca ccacaacttc 120
atggagatta aagcagggag ggaccttctt gagcccaagg aagttttgag gnttcaagtg 180
agctatgatc atgccactgc acttccaacc tgggcaacca gaagcaaaac cctgtcaatc 240
aatcaaagca agcagaccaa gcaagggaaa gcaagcagca agaagcctct gcatgagctc 300
atgaatggct gctgtggaaa attactgacc gtcaccagct gaataacang ctatctggag 360
agtaaagcca gatgaaactg atgntaaatt atcaaatgta ccaaganttt tgggcttnct 420
ggccaaaacc ttcattggga acttagaaga gaaaaactgg aaacnnccag agctttttt 480

taagcttctg agcccacang ctggtcctac atccct 516

<210> 555
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 555
gactctgggg agctcctgca ttaagagctn annngattng aacctnanng aanaaactgc 60
ngannnaggg agnattgaan ctactntgtc cactggacct tgttcccang ctccggntga 120
agctgaacac tccgnatgat ctccctgcca ccatancang ctatgaagtt cattacacat 180
gcangtagna gacaatacag ctctgcttcc atttctgagc acctacggta agactgccat 240
tattcagtgt gccancctgt ttccaagcct acaatgtata gttcctctag tacgtaaact 300
catttttttt ctcagagagc cnagnagaga cacaggcagt tttcttttca aaatgtgcca 360
nanattccaa aacaatctca aagcattaaa ggctatgtgc acaaagt 407

<210> 556
<211> 368
<212> DNA
<213> Homo sapiens

<400> 556
tgaaaacaac ttgggagtag taatgaagat gaccagaggc cagcgagctg aaagtgtttc 60
cagcaaagca gccctctgat ccatatactt tagctacaac ttacatcacc aaggtccata 120
ttatatactg tgatattcca gctgcacagc gaagaatccg tcacctgctg acaaaaacaa 180
atgatgctga gaggtttggg cacaataaag tggataatta tacacaggca ctttttccca 240
tgcagcattc tttaaggatg tgccagagta tcttgaaaga tctttgaaga gctatgaact 300
gatagaaata caatcttgga tttatttttt aatcatttgc tagttaataa aattactgct 360
ttcaatgt 368

<210> 557
<211> 340
<212> DNA
<213> Homo sapiens

<400> 557
ggtctcgctc tgttacccag gttggagtac aagtggtgca atcatggctc accgcagcct 60
caacctccca ggctcaagca ctcctccctc ctgcctcagc ctctcaagta gatgggatca 120
cagggtctta ctcctacttg gaatatagat gggatggagc tgagtggcta agtacaaagc 180
tagaagcagc ctggtccaga tggctataca aacccgaaac tgtctacacc cagactttat 240
tcttctacaa ccaaattcct caaacacaca atctgaacag tagcagtgaa agggagttta 300
aggtgggggt gaggggagaa agggagtaat atggttttta 340

<210> 558
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 558
acatgccaag cttcagctga aactcaagcc tcatgcagtt ttctctgctt ggaatgttct 60
ctgcccagcc ttcacctgcc cagcttcttg tcctacaggt ctcaagtcaa atgccttctt 120
ctcagtgaag acttccctgg caccttgtca acataaangt catctggtta ttctctctcc 180
agcctgtggc ctatttttc taaagaactt ttcagaatct catccatatc ttggtttact 240

tgtttgtaac cagtgtctct cctccagaat gtaagctcca ggagagcagc acttcctcct 300
tgatgttatt cctgcttcaa tccttagcgt ctagcccagt gcttaataca gatttgttga 360
ataaagatcc gttaaag 377

<210> 559
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 559
gcacccagtg actttggcag cttggtaact ttaggaaaca aggcgctccc acccacgctc 60
tcccacctct ttattctgct gtgtctgctg ccacctccag cgcctttca acgcttcctt 120
ctcaactccc ttctccatca gtgcatacaa agctttccgc agcatcaagt cccgatcatg 180
gaaaccccac attcctgtgg caaaaaagca taatggtgaa tggaggactg ctttcaagac 240
tcaccaaggg aggctgcatg caggaggcag ttcccatctc cagtagttgc caaaggaagc 300
agcctctgag aggtgggatc cacactcacc caccagttca aacgccctgt agaaacaaga 360
tagtgganga aaangagaat attcatgaag cccttncccc ttctattttt gnaaaaanac 420
tccaaagcag cctcctttag gaggcctacc cagaataaaa ccatcc 466

<210> 560
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 560
gatggtgggg aacatggcga gaccagtgac ttccaagagc ctgtgcccat tgctgcactt 60
ttttttgctg tgaagtgagt gccttgatca gaacagtgaa acggcgtttt gaagactcag 120
atacagtgcc aggctaagaa gggagctgct gtgttttctg gggtgattgg tcctggctac 180
caagggaaaa ttgggctgct actccccgac ggagttacag gataccaaag agaagagtaa 240
acatgaccca agaaccctac gtcctcttct ggggaaggtt tagtgtgtct ctggttttac 300
ccaagatagt tgaatcaggt gcagagggaa ggaactggga gcacacagca agaaagtggc 360
tgttcacaag ctangacctg cccttntggc ccttggtttt gggcnttccn gcctccaaaa 420
ttggganaaa aaaataaatn tttgttgttt aagcc 455

<210> 561
<211> 56
<212> DNA
<213> Homo sapiens

<400> 561
atgctactat ccttcaagat ggtaattaat aaaagacaga aaaatgccta aacacc 56

<210> 562
<211> 397
<212> DNA
<213> Homo sapiens

<400> 562
aaagtttgtt gactcatgac ctagatgact gcaagagcct acaatgaagt ccctctgcaa 60
acagaagcaa aaggcacagt ctgctcctcc taaagatggt cattttctgc tgctatggcc 120
cagtttgtgc cttcaaggac tgactgtgta aaaaagagcc cagaaactct ttgaactgac 180
ttacagtggc ttcttcagca gtcagctgta acgatggctg gagcacctgg tacctgagtg 240
agggccaaga atgggctctg catgtgccct ccctcaacaa ttgcccacca cccattctca 300

cacaaatgca gtgggggatg aacctgtagg gatgggtaat cagcctgaaa ggaacaattt 360
tgcatatgtg taaaatctga aaaaataaat tattatt 397

<210> 563
<211> 358
<212> DNA
<213> Homo sapiens

<400> 563
gtggggtctt tcagatccag taaagaagat caccctcacc gatcccagtg gcatcatccc 60
atcttttgaa ggcctggaaa gaacaaaaat gtggagaaaa ggaacatttt cttccggttt 120
gagctgagac atcatcttct ctggccctga gacatcagag atcttgcttc tcaggttttt 180
ggactcatgc caggactcat acacattatt agctccctaa ttcacagccc ttcagattta 240
gactgaatta caccatcagc gtttctgggt ctttagctat taatagcaga cagcagatca 300
tgggacttct tggactccgt aattgagtag tcaattccta taataaatct cttcatat 358

<210> 564
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 564
aactgaggtg gcagtctagt aagatttaac gatactgtct gactggagct ggaaagcagt 60
gagtatggct gctatcggag aggagagaga aaatcaatct ctgtgggctg ctattatcca 120
gaagaaatgg agagctccca atgaccaggc attccaccga gcaacagggc ttacttgcct 180
ctgctctcat tgaaaaccac acagagcatg caacactttg ctcactccaa aactttatga 240
ctttcttcan tttcaagcaa tgttgaatgc tgactcaata agatacaacc aaaacaactt 300
gttgatgaga caaagctgag tttatttttt accatggtaa aagtgaacgc t 351

<210> 565
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 565
actcccccag gagcacagca agttctccag ggtgcggaga ggcagtggag agtcttcagg 60
aaaccaggtt ccgaagcctc aaaacactca agttctcttt tcctacaaca gaccagcctg 120
tgaatgttca ctaattttca accaaatgat gtgctgtaat caattacact ttaattactc 180
aatccagaaa aaagcgatca cttaaataag cctcatggtc agagaatttt ctaaaaattt 240
caaattgctt tttttcccta aaggaatgta ataggatgac aataaaagat cctcacgaat 300
aaaaatatat gagaataaaa tcctggaagt aggactgtaa taaaagcata actccaaaaa 360
aaaaaagggg ccngnggggc caattcagnt tgganttaac cgggntgaac ttgtttaaaa 420
ggggggccc ccc 433

<210> 566
<211> 40
<212> DNA
<213> Homo sapiens

<400> 566
gtttgcatcg ccagcttcta tatattacgg ccttttttg 40

<210> 567

<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 567
ggtgaatttg ggacccaaac agttaagcaa ccagccaatt tgcttccctg ctgcctccca 60
gccaaggaga tgaatggaat gcacatgagg tcgcttggca ggcatccaca ttcctatggg 120
aatgctgcag cagccagagc tttgggacat gaagaagcaa atgtgtggga gttatggggc 180
aaactgcaaa caatccaaag tcccgaaaaa atgcatggag cctctttggc ccaaggatgc 240
tctgcagaac accggcaaag accctgccct tgcccaaatc aatgatagag gcaggactcg 300
gcactgccct gttctttctt actgctgcca aggccttgaa tcgtacaggc cacttncagg 360
actactgngg atgtgagcca tttaaaagaa cttcaaca 398

<210> 568
<211> 340
<212> DNA
<213> Homo sapiens

<400> 568
atataagaaa gattggagaa ctgtgtgcct ggcaattgcc ttgctgaaag gaagccctca 60
gaaaaagttg tttgatggtg agagctggcc aagccagaaa gacaaaccaa gcgactttga 120
gtgggggctt tgtgtcacaa ggcatcagta gacctggaga ctgagttcag gcaatcaatc 180
aatcaatcaa tcaatcaggc ctacagaatg aaactccaac taaaaactgt ggacaccaaa 240
gctcagctga tttcctggtt ggcaatactc catgcatatt gtcacacatc aatgccagct 300
ggtcaagtgg tagaggacaa taaaaagttt tcacctttgg 340

<210> 569
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 569
catcagaggg ctccttggaa atgctagata ccaggaagaa agggaacctg gttaaaaagg 60
aaaaaantaa aagggaaagc cttttgnttc caccaattct tcaaggaacc aggaaaggga 120
aaatatttgg gaaaaaggtg gttttgggag ggaaaggaaa aagggccaaa agaaaantaa 180
aaggagggca tttaagtant cccgcttgca aaagctttgg aaaaaagaaa gccaatggaa 240
agggatgcca cgtttttaaa aggtccggta ggaaagaang gaaaaggaaa aaaaatttta 300
agggaaaaag ccgccatgct tgaaagaaaa agggggaaat tantgggaag gaccaggaac 360
catgccaaaa ggatccaagg aaaaaaggta ttcttcaagg gaaaattcaa aaaaggcctn 420
tttcccagga aacc 434

<210> 570
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 570
tgatgataca cagcaggaca accagtcctg aaaaactttg caaaattgat cataccctgg 60

tgctcctcct ttaacagaca tggcagcccc tgaattccag atccagcccc gcctcccagg 120
tctgctctat cttcagcctt acaggaacct tgggcggtgt ctcctgactc aaccatgtgt 180
gacaagaata ccagctttcc cccatctctg agcttctaac gttttttatg cctcccccga 240
cttcaaaagt gttaagagtt cccatgggga tggtgaaatg ggccattcct gaatggtata 300
ataaatctca ccgaacttca ggcatgcctg tcatcagcca agtcctctgg tggggctgct 360
ggcatttgaa actgaggctt ctcacaatgg atttcaattt nttcggttct caagtcaaac 420
tttaagttan tttcaagggg tcactcttgt gttaattagc ttttganggg agagtcacaa 480
ata 483

<210> 571
<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(676)
<223> n = A,T,C or G

<400> 571
agatggggtt tcgccatgtt gcccaggagg ggcctcaact cctggggctt caaagtggaa 60
tcttggcttc cccaacaaca accaacccgg ccttcgggcc ctccccaaaa gtggcttggg 120
ggaatgaaca agggaagccc ttcttctttt tccaacccaa gccgggaagg gaagggaaga 180
acaaggaatg ccctttccaa gccttggctt gggcttgggt cccccaaggg aacccccaac 240
ttggcccact tggaagaagc cttgaccgaa ggttgggtcc gaagttgcca ccgccaaagg 300
ttattgttgc caagcctttg ggaagaaggg ttgccaaagt ggacccgttg cccttgaagg 360
gtcttaacgg ggcccccaaa atgggcaaga atgaaggggg ggcttcaaat ttccaaggct 420
ttggtcttgt gggggggtgg cccttccctt gggacacaaa gggaacttgc ccaaacccct 480
tgtggttgga aatgtgaagc ccttcaattg naaaaggaag aacaaggtgg aagaaaagcc 540
ccttgaantt gccttgggtn ggccttgtaa ggccttgcnt taaacttgtn aaatacaaga 600
atnaaatggt ncccaaaagc caccttgggt ggggcttgtg gaagcctcct tcaaaccttg 660
gtnaaaataa caaaaa 676

<210> 572
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 572
ttcaggaact gagtgctggc cctggtcaca ttaagggagc caactggtct ggctttgggt 60
ggttangtag gaacatttta ancaagccct tcttcnattc ttgggcaaan gttcaaattt 120
ggtcaaccaa aagccgcttg gcattcaggg aataaaggaa acccttttcaa gccaaagcca 180
accaagtgga cctaagcctg gtggaatcct aaatggaata aacccttttc cattttttcat 240
ttttcattaa ttttaagaat tttaataatt tacccttttct ctttcttatt taaaaatggg 300
gggcctagtt tgtcccattg ggaagggagg tcattaatga aaaattattc tttcttaaaa 360
aataaaaata ttatttcaaa atatttttt 390

<210> 573
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 573

ggattctacc atcaagaaaa gaggcccaaa ctttctattc attcatgggt gggaaggtga 60
angtggtctt ggagtggaac tggtaaaatt ggcagaaacc caactttgga ggaaagcttg 120
ggatttttc acccttgggc cccaaatacc ttaccgttgg ggccttgcaa aggaagccac 180
ccaaagcacc caagaaatca cattattggg gacctatcac ccaaaagaag aagaagacta 240
cttgcggcgg aaagacccag actattcgaa gaagctggaa gaagaaagaa ggtttcccca 300
agtgggcttg aaagccttgc ttgtgcttgg tatttcttca tcaattgtgg gtgttttgtc 360
ctaccctgga cttgngggaa aaataaantc gcttgtttgg gttaaagtaa atttaagcag 420
ccaaaagcaa ttgcttncca agccgaaggn cctccttgct ttcaaggaaa agaaacccaa 480
aaccacttac cccttgaaag gggccaggcc taagccctgc aagccccttn cctttgcang 540
ggaggccttt ccctttgccc ctggggcntg nttnttnaca aaaatcgggg gtcttggggc 600
ttcaaa 606

<210> 574
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 574
gagatttctc cctctgcgct gaggatctca ctgtgcacct ccagccctgg gtcctggtgg 60
gctctggtgg ccactggagt ctttggaact gcctccctct ggctctgctg gggttggatt 120
cgggcatcga tgtcacaccc agcaggaaca actggggcca ctggaggatt cccaaggaca 180
caggttgtcc ttttcatgca ggaagaatct gaatcgtttc catccagttt ccccggcatg 240
cagcagaata caacacaagg ggctgcggtc ttctctgact cttaaggccc ttggaagatc 300
ctgttctgcc aaaatcaggg tgatttgggc aagcatcctt agggctctgg accttaattt 360
cttttcctgg gtgattgatt gacatatang ngtcctaact cacataagtt gnaaaacaaa 420
atgtggggga aagggcnttg anaccaaana caatgttatt gtcctgaa 468

<210> 575
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 575
aaaaggctaa cattcttgaa aaagagaaga tgtatccaat gggcgccttt tcttntggga 60
atcgagctgc cattcgangg acattcactt gggccagaag atcgtaccga catggctgct 120
caaacgaagt ccagatgccc acatacctgt gctctttgcc gtcatgaaac tggaaactac 180
gcatttgctc cgggatatcc tgtttttaa tttcacaacg agatggaact ggctgaaact 240
ggacaacacc attggaccac actgggactt atttgtgatt ggcctcattg ttcctgggct 300
gattttgttg cttagaaatc accaggggta ggatgcggat cacaggaaaa cctgctcaca 360
ggaatcaagt tcacttccan gnattcccca ctaaataaac aag 403

<210> 576
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 576
ggaatataga gggaatatga atgacatcac agcagctgcc ttggagccct ggagcctgaa 60

gacatttgag atggatacac ctaaggagag gaggagaagg tggcaggcag atttgaaaaa 120
aatgtggatt accattaaaa aaggatttgt aagcaatttc agaaatataa tctccaagcc 180
tcaggaatta ttttaccctt actttttaag aactggtatt attatactca taatgagagt 240
cataaattat gaacaagaag aaggttggtt attattattt gtttagtatt accagccttt 300
tcaattccac acaagagggt aacagaaaca aagctgtgag gataccttg cagttgnaca 360
ttcttgggaa ttttgcattt aacaagggaa aggatcatca ctgnaaatat attttcaant 420
tggnaacaan ctgagactca taaatggnga ttntntgaca cataacaag 469

<210> 577
<211> 371
<212> DNA
<213> Homo sapiens

<400> 577
gcccacactg gagaagcggc aggcctccac tgaatggtcg aggtccttaa ctctcctgcc 60
agtcaatact gtctgcctgt catattgccc taaccttggt gaagacactt gtcaaaatga 120
acagcgacac atgcttctga ctcttaaaga actaacagcg gatcctggaa atggaagctg 180
ggtagtaatg gaagctactc tcctacacaa ctgagatttc tgatcccaga cccccaaata 240
taggaataaa tgagctactg aaccacaaaa cccaacacaa ggtcacacac acttgtaaag 300
tggctaactg ctttcattgt tttgcataaa atgtgtattc tgcaaagatt attattaaaa 360
ataaaacaag c 371

<210> 578
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 578
aaattccagg ggactaatat tggagaatga accnaggctg gganaccan cctgcaaaat 60
tccaaaaagg acctccnggt tggttngtct acaacccagc catcgtcang ataacattag 120
actgcgttcc aggtgggacc atgacttcaa ggatagcccc cagaccaagg gcccgggcca 180
cctaagcacc ccagcaccca cttcctggca tgcctcccac tctaagttcc cctttataaa 240
ccacctcttc cacaggtcga aagtttggaa atcgtctttt aagggcattg aagcttggcc 300
attcccagat cttggcattt gaataaagta agctctctgt tcatc 345

<210> 579
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 579
ctacttccta caggggtgag cccagggccc canggnagaa ctngtggccn cnngccnnng 60
ttttcnaaan gcgacntttn gngctcntta ctactagagg tcncaataca gaatagggta 120
tacgtcgttg ccggctcttc agtccccaaa agcaggggta tgggccatgc agggaaataa 180
agggntacag aagtggcttg acattatgct tgatggacat gctgtcttca ccccaaaaaa 240
agatgccagc aaagtctaaa actggaaaga gctttggaag atcaccaact taacatcttt 300
ggtattttaa agacggatga ataggtcaag gtgagaaaat gagttcttca gtggcatcca 360
gccccttga tatcacangc cagaagatgg aactacttcn ttcccancct nttattatta 420
aaaataggct actnttcntc atcccacacc ctttctggat atatcctatg caaatgccan 480
cagaagatct ttgcaactgg g 501

<210> 580
<211> 443

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 580
aaaagaaaca tggaaagaag ggtcagggag ttggaagagg agagaacatg acatgcgata 60
cttccacttt cttaaaggca acactacata agacatctgc agcgctgtgc tggtcaacgc 120
tagattggtg gatgctataa tggaaatgga caaagggtct gtgtatcgga tgtcaacata 180
ccatgccaag aagccatgta aatgcaccaa gagatcctgt ttttgaagtc tcctctttaa 240
cacacagaat caaaatggca acatccatga tggagaagga agagggtccc cagcccttac 300
cagccaggag aactcttgat gacctttcaa tggggcagnc atgccttggc atcanaaacc 360
tcaagggagt tggctttttt tccattatgg ncatagtctg gtaacaaatc atctgtttaa 420
aaataatata taactcgagc tcg 443

<210> 581
<211> 336
<212> DNA
<213> Homo sapiens

<400> 581
agaaggaagc agatgcccta caaagcccat gtatagtcac ccaacaaaat gtactggacg 60
actgccatgc accagccatt ggagctacta gctcctgaga agccacatcc tgactaaatc 120
agcagaagcc acgtcatcca gagataatgg gatggagaca ggggtgcctc tgaggctgag 180
gtgactccca tagggatggg tagctaaaaa tgaagcatag agtggcccgt tcatctttca 240
tcttcccccc ctctcgggat tgctttgctt tgctttacta ttttggctcc tgagacaaga 300
agctacattc caataaagct ttcttaatgg acactg 336

<210> 582
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 582
agaggctgtg atnnctggaa tgtttaatng gntggntgat tggacttatg cctttggtca 60
gcagctcaaa gaatgctaca attcactctt ctacaaagca gacatccagc cttgataccc 120
aacccagaac tctgaaagaa tgaaaatttg ccatctctag caggtggaat tatcagaggc 180
ctctggaagc tgccatggaa acaagctcac taaaggcttc agcaactgct cagatattta 240
atttcaccca cagtgaatgt aatccaggca agaagtgctc acaatatgaa aacattgatt 300
agcaggggac tgcatgtgta ccttgctggg tacaggcccc actttctttc tctttgagga 360
cgcttagctt gaacattcca nggggaaaga catccaaaaa gcatcgccac aaaccagntg 420
ggaagctgac caanaaaatc atgggttctg cccgcaggga ggaaaacaca gggtaaatcc 480
ttt 483

<210> 583
<211> 294
<212> DNA
<213> Homo sapiens

<400> 583
gactgaggct acccaacaaa tttcccagcc ttcctgcagt gaggtgggag ccaaatgact 60
aaattctgtg tgttggagag ataaatgcca cttctgggcc tgacccctat ggcccctgcc 120
atgctggcct gaagaagagg gtgcagtgga ggatgctgag gccataggga atggtggagc 180
cattagacag agaagctggt cccagaactt ctgcaagaag cagagtcctc ctttcatcca 240
taatgaccac cactgaattg acagcacagg aaataaaacg ttactgtgtt agcc 294

<210> 584
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(66)
<223> n = A,T,C or G

<400> 584
nttggacnac tatngtggan ccantgggca ctgngcngng aaatgcagag ctgaccaggc 60
atgagc 66

<210> 585
<211> 343
<212> DNA
<213> Homo sapiens

<400> 585
accttgagaa catgcctgga ctaccgtgct ggaggaggac agacacatgg agcatagccc 60
gagtccccca cccggtcatc ccagcagaaa cggtcctgga ccagccacca ccagccagct 120
cccaggcaca tgaaggagtc ccgccaagat cagcagccgg caagctgacc cacagccaac 180
tgcagacgca tgagcaagcc ttaagcagct gaaatccacc aagatcaact gaagtctcca 240
gttctgggtg ccagtatttc ttgttgtatg cccagaagta ttgtggctct ttgttaattg 300
attaattaat aatcatggat aatataacag atcattggcc aag 343

<210> 586
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 586
tgtggggagc tacactgcnt taagtcatga acngccacct tccgtgacgc tcacagccct 60
tnttgatgtc atccagctct tatccacnaa tcctcagctc accatggaaa tgcggatttc 120
cccaccttca atctgcccca tcacaccagt gatgtttcag ttcactttgc actggttctt 180
ctttccaccc agaacactct tgtgccaggc ggacccacaa cgagttctct aattaccttc 240
aactccttgc tcctatgtct ccatcccaac aaggcctacc cagaccttcc aatcgactat 300
ggtaactgcc tgtctcctcc ccacccaggg ccatctccag aactcccaac ccccactatt 360
tttctccact gtcttttctt tatagtactt tatcttttaa aaaggaatg 409

<210> 587
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 587
atgcanaaac cacggcccag ggaagacgca gcttgagcaa ggtcaccggc aggccatggt 60
tttgcgggag gaggagctac agtcagtctg ccttggagct caccaccgtg tttggcccat 120
ggtagatgcc cnacagaana cacanncgnt gttganggct cctgtnaagg anaanctgcn 180
ntacaagaag gttgagtaac tancccatca ctcagctaga actggccacc ancatggatn 240
ccanatagcc ctactccana gttgcccatg ctattanccg tgacgccatg ctggctgtcc 300
acacccatgc ctttttcctg ccttaatctt gcaatgattc ataaggaaag gccatattat 360

gacacagctn gaaggcagnc atctgcaagc caggac 396

<210> 588
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 588
accagccaac acttacggaa aatagaacct acgttgaaat attgggggct ggtttcctct 60
atacaagagg agtcatgaat atttatgaaa ggagaaatcg cacatgcaca ggatgacctg 120
cctgcagaag gagctaccca ctgaaggtcn cttctctgct gagagctgga cactcattgg 180
gatgaactgc ctgtggaaag gagctaccca ctttgggtct ctagagagct gttctgttgc 240
tcagtgaagc tcctgtgcat cttgctcacc ctccaattgt ctgcatactt cattctncct 300
ggacatggga caagaactca ggaccaaatg gtgggactga aagagctatg acacaancag 360
ggctcaagat ttancagcca acaacnaaac aaaataaagc acaataaatg 410

<210> 589
<211> 335
<212> DNA
<213> Homo sapiens

<400> 589
aagttccagg ggctaatctt gagatgggca gaccaagcct ggagacccag ctgcaaaatt 60
ccagagatta tctcaaggtg gctagtgaac aacccagcca ttgtggagat gatgtcagcc 120
catgctccag gtagactgag acccaagaca gccactggaa tgagacacac agacattgta 180
ttcagtctaa ttcttgcatg ccttccatat caagtttccc ctttttaatc ccttgcccct 240
tgtctttccc cccaaattca aagtggtcac tttggatggg aatccagcca cttcccatta 300
ctagttttgg ttaataaagt cactttcttt ccacc 335

<210> 590
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 590
gtgctccttt gacattgtcc acatctggaa cccagaacct ccttctgcgt cctctatccc 60
ccatcccaca ttctctgcct ctcctgctgg aggaggctaa caccaactgt gcaagtctgt 120
tttgctacaa gtcacactat gagaagatct gggcattggt tccccatcac ctgggccagg 180
actgatccta tggacctgct cccactcctg ggaaatgcgg agataggatc gtccagtatg 240
cctgctaagg ctgatgttca gattaaatga gatcacagaa gatgggcagc tggttgcact 300
taaaggagct gggaaatgga gcccagtctg ctgtgatggg tcctggatta ccaacacacc 360
ttgctgtgga ccttggggca ganggcactt caactcccaa tttct 405

<210> 591
<211> 211
<212> DNA
<213> Homo sapiens

<400> 591
ctgtgtttaa caaaggtcgt cgggggagtg actatgcccc agagtccacc atgagagtgc 60
tgaagagcca aaggtgatgg acccctctga tgcttccctg ccatcagtga gagaagcctc 120
atgtttatgt attttctatg ccgagatttc actcaatatt taatgtagag gagggatttg 180
gctgtctaaa ataaatacta ttattatttt t 211

<210> 592
<211> 397
<212> DNA
<213> Homo sapiens

<400> 592
agatgaagaa attggggctc acggattaag tgacacctat ttttcatatc acacactaca 60
aaatctcaaa cacagtatct caactcatga aacattcggt cctaagatat caagtgcaat 120
ctgattccag cctgtgcatt ttgacaacct ttgactgctc tgccaatcgc caggtgcccc 180
tctccagccc agtcagtcgt ttctggctcc attcataact ctgccggatg cctcattaga 240
gaagtgtcct gagacttctt gtgagatatg ccttcctgag acctacccaa tgtgcccatg 300
ctgactccta ccagacagct gagagaccaa ctcagagaag aatagcaaag aaagcagaaa 360
atgggaggct ttatcccagt gcccaatccc tgctagc 397

<210> 593
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 593
ggacctggga gtgcgacatg gtggcctcag gggaaaaggg ctctcgtcta gaccttctga 60
ctgtcctctg gatcttcctg gtgtccatgc ggggctgctg ctctgngctg gccccagggc 120
ctttggccag tgtccatgag acccggaatt ccagcaacca gtttgacaac tcctacagag 180
aaacaggatc cacataagga tacagcttct tcatatccct gtccatgact tcaccctgcg 240
ttctttcaac caaatcaaat ggtggtcagg gcctcttgag cccaggcctg caccgtatta 300
cattccaaga tggcattgaa agtaacttga gggaaatcac caaaaagaaa gtgaaactgg 360
ggccgggttc ctggccttaa ctgatgacat taccttggga aattccttct tcctggctca 420

<210> 594
<211> 316
<212> DNA
<213> Homo sapiens

<400> 594
gagtatgaag ttaaacaaac aagagaagat gaaggaggaa aagaagaaga tggaggagga 60
caaagttttc agaagtgctt attagagcta ttacatgcca aatatctact ctgtgggaaa 120
agcaaatttc acatttttat caactctgta ttcctacatc tgatcaagag atgttagaag 180
ccagttcttg agaatggcag gaccaccttg tggacataac ctgggtcggt gaatgactgc 240
acggagcaga gtcctacctg tcaagacgtc agattatgat gtgaataagc aataaacata 300
tattttgtta actcac 316

<210> 595
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 595
aanagtgtnt ggcatactat atgctaatcc aacaggactg cggtcttata cgangaggaa 60
nactctctnt ccaccatgan aagacacaat gagaaggctg ccatctgcct gccanaagga 120
gagccctcgc tgg 133

<210> 596

<211> 397
<212> DNA
<213> Homo sapiens

<400> 596
gtaaataaac tttctgcctc atgactcctt cccttcttcc ttctttttca aatgctcaaa 60
tctgctgtag attttaacat caagaaagaa ccctcatgct tggaaacact gggaaccact 120
ggtgaagagc aagagccctg ggaagaatca ggatttcact tggcctctgc cactgacgtg 180
cggcatgact gtggaccagc gacctgcacc tcttgtgccc cagtttactc ctctgtgaaa 240
tgaacactca tgcgagatga tggctagact gtcaccaggt ctcctatttg ctagtacggt 300
gccctctttg accagcagaa taaagatgga taggtgttct acctacatac agtcatcaaa 360
ctcatcaaac tgtgagcagg aagagagaaa agactgg 397

<210> 597
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(318)
<223> n = A,T,C or G

<400> 597
gtaatccaca tgccaaactg aatttaaaat tcctggattt attgtaagac agaaaagcca 60
aaaaaaaaat cacaaacgag aattttggat ttcaaggaaa tgttcgattg tanangacag 120
gcncntggca aaanangnga gggctatgtn aagatnnagg cnaaggttga antgntgctg 180
ccacnagcca aggancacca cganccacca caagctggan aaggcaaaga aggantcttc 240
cctanaatct ncanaggaag ngtgggcctg ncaccacctt gantntggac ttctggcctt 300
cggnnctggc aaagaata 318

<210> 598
<211> 374
<212> DNA
<213> Homo sapiens

<400> 598
ctgagaattc attctgaata tttgcagata cataaaactc caggtgtaac tccaagcaaa 60
acatgatgaa agagggaatt tggataaacc atggaatgat gacatcacat tgagcaccat 120
ctggtataaa catttttgct ttctgcagtg accagatgaa ggaaatatgg tgccgtgtgc 180
ttcttcagtg attaattcag gaaagccttt gctgagctga aatccaaaat aggaagaacc 240
caccttccac atgttcaaga agcttgtgat cccagggatg acactgccct tttcctctga 300
aggaaagaag tttcccctga ccataatgcc aaagctacaa acacttacat acctccataa 360
ttttgcactg aact 374

<210> 599
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 599
gagcttacag tccagcggag gagccaaaga agtaaaaaga gatctgcaaa atgaaagtat 60
cacaagagag gtcaactcaa gatgctattt cccatcagaa cagaagtcac ccttgactaa 120
aaccacaact ttaaacttgg cccaacatcc agtgccttgt ccccaggggt gcaaatatgg 180
actgganagg accccaattt atctgccctg ccctgaggtc tgggctggga tatagcccag 240
gtcncatcta tcctgagggg ccttccagat ggacacatgg acagccagtt ctggtcccct 300
gacttactcc tctgtagtga aaacagactc agtaaacaca agctgaatta aactggccaa 360
ttgttg 366

<210> 600
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(240)
<223> n = A,T,C or G

<400> 600
gtcttactgc ctattagagc aaaggaagag gaaatctttg gctaaccggt cagagaaaac 60
aactggatta aacaagatac tcttcatgac tgtggttgca aaaangcaac acaactttta 120
aaaatcttag tactaatttt taaaaatggc ttttaatttg ggggagactc gataacagaa 180
cccgaaaatc tgatgaattg tatgaacatt ttgttcagaa aaataaacat atattaccag 240

<210> 601
<211> 411
<212> DNA
<213> Homo sapiens

<400> 601
ttaattctca cagaaactct tggaggtagc tgcaagagct gctagggacc tcgattagag 60
ttattacata tggaccctca tgaatcagag gaagaacgag gcctggagtc atgaaggggc 120
ttaactgaag tcacaaggct cacggcagga ccagtatcaa aatagacccc aatgtgcggc 180
aggctcatca gtggaagtga cttaccctgt ctcagatgag gctttgtact gtggactttc 240
gaggcacatg ggagcctcgg tgaccaggga ccatgttgct attccttatt gtgtaccatg 300
ccagaaggaa attttaaaat cctgaaatac tctttttgat ggctggaaga aaaatattgt 360
aaattggtaa tacagagaaa atctgctaat cttgtcaagg aattttggac a 411

<210> 602
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 602
gttcatgttg ctgaggaggc agagggctga gttcttccat ccatcgcctt caagtgtcag 60
gcggcttccg gttggacaag atggctaccc cagngggctt gtttcctctc tggtctcttt 120
ttctgtctaa gactcactcc ataccagcct gagcttggga ccattgtttt gctcctctca 180
tcctcctacc cccagagctg acagatttag caaataaaat ttacaagatt ctg 233

<210> 603
<211> 256
<212> DNA
<213> Homo sapiens

<400> 603
ttgtatcagc tgaagagcgt agaagctgtg ccatcccagc cattatgagc atctctcatg 60
cccagatctt cgtttctgaa tttctctttc cactagaaga aaccatgaga gaaatggcga 120
gcctgagatc ctttattgca ccaaaagcaa ggaagtatgg aaggagagct gagggcttgc 180
caggacattg gccgacatgg tctctcactg gtcaaacttg ggatggttgg aacatcaata 240
aagaatatta atgatc 256

<210> 604
<211> 290
<212> DNA
<213> Homo sapiens

<400> 604
aaggctgcat ttctcaggca taagctcttg ccagccattc acggtgatta cgggaaggtt 60
aagcattgtt gggactcaca aaacagctgt gttaagcatt actacctctg aacgcttcag 120
gaggaaagcc acattctcct gtggaaggaa atagttgcag gtgatacctg ctcccttcac 180
cttctgctgt gagtggaagc tccctgaagc tctcaccaga agcagatgct ggcaccatgc 240
ttcttgtaca gcttgaggaa ccatgagtta aataaacctc ttttctttat 290

<210> 605
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 605
gctgctggtc tgcaagtcca gggaccatac ttggagtagc aagcccccag ggaaggacag 60
actttaataa gaagaggatc ccctatgaaa attccaactt gagctccttt gttcattcag 120
acattcatac aaataccaac tgtgggccaa acactgaaga tttccagtgc ctatcccaga 180
aatctgcact cctgttcctg ccaaactcct gctctgcgtc atcaggtaat tcccagcaaa 240
aggcaaagtg tctccatgag tcacttcgtc ccaacgctta aatggngttg gcttcttagc 300
tatgacaggg acatcacaga gcacctggtt gaggctgtca ctctatgcaa taaccagctt 360
tcggccaaat gaaagacagc accaaagtca tcaccaactg actc 404

<210> 606
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 606
atgaggaaat tgaaatccaa agatattgat gacagaactg ctaagtgata gagtcagcac 60
aatgcctgga tggaaattca cttccagaac cacatcttca ccacaaacat tgctgtcagg 120
gctctccagg ttaataacct ttgctggtgg ggttctccan aatcagctgc caaaacagag 180
tctgagtttc aaggtactta ttagggatca agccctgtgg aagacacagg ggaagctgaa 240
ctgtgagggc agcccacaga agcctcccct gccctgcagg gagctctgga gtgaatactg 300
ttctgtccac cagagctggg ccccagtggg caaacaagac caggcctttg cacccccacc 360
tcactcaaca tcaagctgtg tgggttgtcc taagaagggg tc 402

<210> 607
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 607
gcaaaaccat caacggatgc tgacatcagc gagcaaaagt gtgatgaaga acggcgattt 60
gcatcgtttc aaagtatctc tccatgagat acttactaat ttcaaagggg acaatggcca 120
ggtgaagcct ggcagatgtc acttacactg agtgatccat gttgccatct ccagggtgac 180
acggngtgcc tgtgacatga agcgccaagg ggaacccaat gtcatttctg gggttcttcc 240
tgccccaaac agtccatttg gttaaactca cnagagtgtg tgcttgtcga tgtagctgat 300
tctgtatggg tggggatttg gaccaccct tcactactca aagtggggtc ttgtacacca 360
gcagcagggt tacctcctta accccgagct tgtaagaaag c 401

<210> 608
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

<400> 608
ctgagattta cacggaacaa ggaggtttgg ctatcgttac atgagagaac gttacccaag 60
gacaaagaag tttcacagac ttcccctgga cccttgttgg tgcccagatg tctgcggttc 120
cctgtcactt aaatataaaa gacaaggcaa agctcgcata attctaagat ggttctttag 180
gacattggnc tgcttcttct tggtttcctg gctccccaaa ataaagtcgc tttccttcct 240
cc 242

<210> 609
<211> 284
<212> DNA
<213> Homo sapiens

<400> 609
agccgggctg attgtgtggc tgcagagaac cctggtgctg aaaccctcag gacccctggg 60
aggagagatg gctgccactc caaagaacaa gagccagagg gggatttgag ctggaaccta 120
caaagccctc agaaggcatt cgatgcctca ctggaatgcc catcatttca catgtcccca 180
gtccccactt atccccctcc actcctatga cactgctggc ccagcatggc gtgctacata 240
caggtgggaa tctgtccata tcaataatcc aaaccatctt ttcc 284

<210> 610
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(157)
<223> n = A,T,C or G

<400> 610
cttagaagcc ttctgcttga aaggacgctc acagcccttn ttgatgtnat ccagctctta 60
tccacgaatc cttcagcttg accatgggna atgcggactg tccccctttc gtagtggcnc 120
cagtgagaca ctattntttt aaaaataaaa aagagca 157

<210> 611
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 611
gcattcatgc ngcctcactt gctgggaaat gagttcacac atttggagtt tccaaggaga 60
gtacagagaa aggagcttgg aaagaanatg ctctacaggg actttaatat gacaggctgg 120
gcatacaaaa ccattgagga tgaggacttg aagttccccc ttatatatgg agaaggcaag 180
aaggcccggg taatggcaac tattggagtg accaggggac ttggggacca tgacctgaag 240
gtgcatgact ccaacatcta cattaaacca ttcctgtctt cagcttcaga agtaccgcat 300
gangtttttg tttatatttt gngcaataaa aacattttca gcggt 345

<210> 612

<211> 429
<212> DNA
<213> Homo sapiens

<400> 612
aaggtgacta cttggaacgt tgacttgaga atttagaagc cgaatcaatg ctccacggag 60
aagcatgctg ggattgattt gtgatgtctg ccacgaatat aagattggcc atttggggca 120
tgaatgctat tcatggattg gatctcctaa gagcccgaat ttctgagaaa ccactgaaga 180
cctgacccca gcgcttaatt atttctcctt tccaagcatc tctcatggaa ggcatcttgg 240
atgaaaagac ctttggcagc gtgggttttg caggttgctg gagagccagt gggattgcat 300
cttttgcaga ggacaggtcc ttaagggcaa aatcgcttaa gagtcaaaat ggccttgaaa 360
attccttggg aagccgtcat gttggagcca accactattt ctcaataatt tcagcacaag 420
ccagttttt 429

<210> 613
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 613
cacactacaa gggtctcaca gaaaacactt gatggaatct tactagacta actgtatata 60
ttcctgagca cactccaaga cctgggagag gcagaaagaa agaagaaatg caagtctaca 120
atatgagata caaagtttga atttactggg aaagcaaaga gaacacatcc gaacaaaata 180
agaagaagaa atggtgtgag tattgttgca ttgcgaatgg aatggagaac aatgaaatga 240
gggctagaag ccaaaccgag ggtgaagatg gtcaaaatga ggaagataat ttatctttaa 300
tcaaaaatat aataatcacc agaataataa taaccataag aggtcaggaa cagaagaagg 360
gtgaaaacag agtcaacctc aaangcaaac ctagtaccac agaaccaggg atggacaa 418

<210> 614
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 614
tttttcaaag acaaagatga aataaagaca ttacaaaaca tatagaagct gcaaaaatgt 60
atcaccagaa gaccagcatt aaaagaaatg ttaaagttct tcaggcagaa gaaaaatgaa 120
accagataga aaaacgtatc tacacaaaga agaagagcat cggatttgta gtcactccaa 180
tgcttcctca tcaggaacct agaaagctgc taagaatcca tctcacccag catcaaattc 240
cacagcccta atgnatccag atatactcag aaatctacaa gtcatgtcaa cttctatgtc 300
tttcacttgc cccaaactct gtgccaggta ccatgggaga tgaaataaac atttcaaaca 360
tc 362

<210> 615
<211> 195
<212> DNA
<213> Homo sapiens

<400> 615
cctactcaca agaagatggc aaagatgaag acttttatga tgatccactt ccacttaatg 60
aacagctgaa gccccttcac cttctgccat gagtggaagc agcctgagga cctcaccaaa 120
ggcagattct ggtgccatgc tccttgtcca atctgcagaa ctatgagcca aataaaccat 180
ttttctttat aaatt 195

<210> 616
<211> 170
<212> DNA
<213> Homo sapiens

<400> 616
gagctgaaca ctgccccgag aatgcaacag aacttcagct ctgtcccagg gtcgtcagcc 60
acagctccaa gtttcttagc atcagctttt tctgaacaaa atagtgcatc ctgctggaat 120
cactactgta aactgagtat aaaggaaaat aaaccctctt tttcttatcc 170

<210> 617
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(98)
<223> n = A,T,C or G

<400> 617
atgcagcant aagatgcnat cttggaagcn caagacggac ctctctntcg ngagacatna 60
aacctgccag caccttgatc ttggactttc agcctcca 98

<210> 618
<211> 270
<212> DNA
<213> Homo sapiens

<400> 618
gaaaatctct cacaaagaag tcatctccta gccactgtga tatttgccac atgggatttg 60
agatttcaga tgaagtccct atgccccgtg ctggctgggg agtgtggact atgagcatga 120
gagagagctg ccttctctgg gaacaagaac tgttggctca tcccataggg tctggtctgg 180
ggtctggcac agcgctttcc tcatagtgat gttcaagaaa tgtttgctaa atgaataaat 240
gagaagatgg atacagactt attaaaatgc 270

<210> 619
<211> 418
<212> DNA
<213> Homo sapiens

<400> 619
gttgttccca tattttccat aagagagaca tgtgtcggct taaaagaaat gaaactacaa 60
tggtgtgagg gaggaatctc gtgattgtta gcgtatattt tctgcattct acctgaaatt 120
gtcaacgaag tgtaggaccc aggtcagtgc ctgtctcata gtaggtacct aactaactac 180
ttgaaagaat gaacatcact atgaggaaag tacaccatag tgaccatttt acagatgagg 240
aaatggaggc acagagaatg agatgttgta atgtgcacag ttggagagac cactttctgg 300
cactcggata tgcaatataa ttttgaaaaa ttaaactaca tgctcgagga aggattcaac 360
attttccgga gaaccccagc attttccctc agaagactaa aattagatcc tgttttaa 418

<210> 620
<211> 423
<212> DNA
<213> Homo sapiens

<400> 620
cccttggtac ctgcctcttt ggaaggcacc tccggtcaca tcaggagcat ggatggggcc 60
ccacctgcat acacatggag atggactcat cctccagcta ctttggatac cgtggctccc 120
atttttctac tttctctgaa ggattgaagc caccttgccc agaagtcacc gggagttatg 180
cctcctccct aaggatggcc cacagccagt gcctcatcgg agcaagaggt acagaagccc 240
tgctccctca tctgaagatg gggcaggctc cgcagtgcaa tccatgcacc cgagctccca 300
tggcatcaga ctgacattgc tggaagccac agtcttcctc agcttctcct tccctgtcct 360
gcttccctca ctcccttatg gttttctcct gagggcactc ccttaataaa tcacttgcgt 420

caa 423

<210> 621
<211> 205
<212> DNA
<213> Homo sapiens

<400> 621
gtttttcctc caagtcttga ctgagactga gtctacatga caccaaaaca cccaaacgaa 60
aaagaaaaat tcacttgaac cacttagatg tttcttcacc aaatccagat gtttggcagt 120
gcagataata cttctggata atgagtgact ccccctacaa tcaacacttt catcacactg 180
ctttaattaa aaaaatagtt cccat 205

<210> 622
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 622
aaagaaaaac ctatggaaag atcctgtgct ggaagaaagc atgaagtaat tcaaatgact 60
aaaaggtctt aaacatcttt gccatcattt ataatgcaga cttcatgctg agaagagcac 120
tcgacactgc caccgaagtt ctgtttctgg tgttgttttg tcaattatgc tgatgccacg 180
ggaccatgga acagtgccac tatttccaag agcaacagca aatcgaaaaa tcttcatgca 240
atggttgttc tagaaaagtc tattacattg gtttatgctt taaatatagt taccaccaga 300
gtagtaattt tccaatctat cctttaaaag ttcaagtgta ttattgcatt ttttaagttg 360
naaaaagaat ggatggtnca catatcctta acatagnata taaaagcact actcaata 418

<210> 623
<211> 156
<212> DNA
<213> Homo sapiens

<400> 623
aaacaatatc tgctcttgga gtcactgcca ccaagggaat aactttacct ggaatatgga 60
ctgggagctc aagccaaaag catggacaag ggagtcccag attacaggat actattatga 120
cttttgcata aatataaact cctattagat aaattg 156

<210> 624
<211> 423
<212> DNA
<213> Homo sapiens

<400> 624
gcgtgaaaga cgctgaacaa atccctgtca gctgcacagg tgtctttgta acacattgcc 60
agttagcgtg acaatgcacg ggaagcagct atgctccagg ttgtgctcca gctgctcagc 120
attgaccctg ccccatgccc tctgaagaag cagctttgcc gaaagtggag ggccagcaaa 180
gaaggaaact gaaagcaggt gtccaggtga tgaaattggc acagaacacc aaaggatgga 240
gctgagattc atgcctgggc tgcctcccca caatcccctc acgttgaatc caaccctgac 300
ttttgtgtcc caccgaggaa agaagaaagc cacccacccc agtgaccatg gcctctaact 360
gctctctctg cctgtggaaa gccagtggat tgggctagga tacaaatgcc ctccatcgat 420
ttt 423

<210> 625
<211> 263
<212> DNA
<213> Homo sapiens

<400> 625

gttaacacac actaaagggc aatgccatta aaggagaaga ggaactttgg aaactgctgt 60
ctgaaaggaa agcaaagcac tcttcattaa cagctagtgg gctcctaatt tctgcccatg 120
aaggcatgtt catactgaca gagcaccccc tcaaggggaa gaaccatccg cgctaattct 180
tgttgtcctc ttctgagcta gtgtgctcat tgttcataca aactagtgtg tcaacattaa 240
aacaaaaagg gagttgaatc aat 263

<210> 626
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 626
taatacacaa tattggcaac aatgcaacaa aatggacaca ctctactctc cagcgggagt 60
ttcagaaata tgccataatg gaacaagata actaaaagaa gaaaactacc tcaaggttaa 120
aaaaacgaaa agaagagaaa gaaaaaagga aagaagcaga aggaagaact ctgctgcagt 180
actggaagca ggcagattat ttaaattacg gtggtgccat ggaacaagag aaggcagatg 240
aagagcgaca cccttcaagt taacacagga acaattaaca atagaatcct taagatgcaa 300
aactccttgc tgtttaccag caccagaana gaggaagaag nggntctggg ggaattgcgt 360
gccantctgc ggcaggttgg ctggaaaanc ancctggtt ggagctttgg a 411

<210> 627
<211> 121
<212> DNA
<213> Homo sapiens

<400> 627
aattgtatat ttccacatat gctggacaat aggcagaaag tggagaccca aagaacttgt 60
gatatgacgg acatgagaag cttcagttgg cctcaaatgt caaataatat ccttcctgaa 120
t 121

<210> 628
<211> 196
<212> DNA
<213> Homo sapiens

<400> 628
gattagaggc cttctaaaaa gagttgcttc ggagctcact gtctttcagc catgggagaa 60
tatagcagga aggaagcagt cttcaagcaa agaaaagtgc tcgtgaaaga agagctgaac 120
cctgctagaa tattgatctt ggactttcca gcctccagaa ctgtgagaaa ataaatttat 180
gttgtttaaa ccatgt 196

<210> 629
<211> 161
<212> DNA
<213> Homo sapiens

<400> 629
gagcagatac tcagctgaga aaagtacgaa aacagatctg caaggacatg cagtggaatg 60
tgagtggttt ggctgggaag ctcacaatga agaacaaatt gcaccacaga atggctggaa 120
aagttaatta aagcaacctc accaataact cagccagtaa c 161

<210> 630
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(444)
<223> n = A,T,C or G

<400> 630
cnaactgaga ttttacacaa tgttgtcaaa ctgtgctgga agatgacctt tcccaagaat 60
ggggatgatt cattcttctg ggaggaaaag tcctattggc aaaggattct tcttcccttg 120
tatacatgtg tcactgaaga tcagaacctg cactctacgc aacaaagcaa cagatgaatt 180
tttacagtgc tataagtttt aagcatatag gaaagaaagt ggaacagtgg ncagagtctt 240
gggtttggcc tcagcaaaat ggtgcttaan agtgacagcc ttggtgntaa cagataattt 300
tcaaaactca caaaaccatc aaatnangaa tccnttgngt gccatttctc atccattggc 360
aatggatcag gcaactgtta gctattctaa gtgaaatttt gtgaaatttc aaattcagtg 420
ctttttaac caatattaaa agtg 444

<210> 631
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 631
gtggggtctt ncatgagana cnctaaagcc tcctgnnana nctnccanaa ttgtcaggat 60
tctncaagat gatgnggcng anggtatttg aanacantga gttnggaggg ggcacacagc 120
tggagaaagc tcaaatgtcc tgatgccaan aagttcattc atggaccatc caccctnctg 180
tccacacacc cagtggacgg agacagctgc cctctgctaa ggatttccgc atgggggaga 240
gcctggctgc tgtcgagcag tccccttcct cccacctctt ccaactaggc tcttgagaat 300
gtcagctacc acacagccac agctaccaca cacctgcttg aagaggagac accaggacac 360
ccatcaaaag ccagaactgg catctnccct gtgggaagtt cttncttgtt taacctcaat 420
c 421

<210> 632
<211> 246
<212> DNA
<213> Homo sapiens

<400> 632
aaactgaggc tctcccctag actgtgagca gcaaaaggaa aacaacccca cctgccttga 60
ttcagatgtt ctcctatcac cagcacagtg cccagcacgt gggaggtatt caactgctgc 120
taactgttga acaaaccagc cgggtcatct gcaaaatgac tgtcctggac tcctcaaaaa 180
tgtcaactca tgggagaaaa aaaggctggg gaatcattct tgattaaagc acaccaaaga 240
gacatg 246

<210> 633
<211> 165
<212> DNA
<213> Homo sapiens

<400> 633
attggactac tagagtgaag caaattgcca aattgtggag aaaagcaagc tcacaagaaa 60
gagcaccata tgtggtattt taagaaactc ctatctttta aatatttaaa tacagtgctt 120
gaaccttatt tgtattaggt taataaaaaa acaaatttcc atttc 165

<210> 634
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)

<223> n = A,T,C or G

<400> 634
aatgtttaca cttggagtcc agagctgccc tgttaagaag ctcaactacc ctgaggtcac 60
catgatgtca ggaagccaaa ctcgatggaa aggccattaa gtgggtactg cacttgacag 120
cccagtgtca ttcccagcaa acagtcaaca ccaacagtgg gagagttgtc ttgaatgtct 180
acaccagtct aatcttcaga ggacagcagc tccgtgacat ctgactccaa ctgcttgaga 240
gatcttatgc cagaaatacc cagccaagct cttcccacat tcctagcccc aaagaattnt 300
tagcaaaata aaacagttgt ttt 323

<210> 635
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(105)
<223> n = A,T,C or G

<400> 635
aattcctgtc tngagcatnn gcttnnacct tgtgtaccna gtcactctgt tgctgctgtc 60
ggtacagatc gcttccccaa ggaaataaat tacatttcat tctct 105

<210> 636
<211> 414
<212> DNA
<213> Homo sapiens

<400> 636
gaatgaagat aaaatcaaga catcttcaga tgaaggaaaa ctaagacaat ttgtcatcaa 60
cagaccgact ctaaaagaat gttcttccaa cataaatgaa atgaattaag aaggaaattg 120
taacattaag aatgaagaga taactatgaa aagagccaaa aaatggatca ctaaaacaaa 180
ctatctttct tcttctgagt tttctaaatt atattgagac agttcaagaa aaattacatt 240
gtctgatgtg gttctcaatg taagtagagg aaatatttaa gcaacaatga tataaagaag 300
agtgggtaaa gggacctata tccagataag tcttctactc tttacttgaa gtgggaaaat 360
gcccctagca gagtgtgatc aaaatataaa tcagattata tcactttctt gatc 414

<210> 637
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 637
aaataagtat ggatggagag aggggattat agcagagcga atagtgttga agtcttggtg 60
gggacattcc gatttaataa ctttggagac agaggatgtg ttccagctca cagactttca 120
ggaataatac tggaaattga catctaatca gcattttatg cactataatt gtgtaaactt 180
ttaggcctgc tgtacaataa tccttccctg ctgtgtggtg agcactttgg ggccctctgg 240
atgctagatg tgatatgaat gggaagcatt attattattt atgccttata atatgtcaac 300
tctatgtcct ctgccacaac ngacacttat ttcaaatgtg cagtaacagc ccccaagtga 360
tgtattggca aaatattttt gaaacc 386

<210> 638
<211> 185
<212> DNA
<213> Homo sapiens

<400> 638

gacatcaagg gctccagaca ttgagaaatt ttccctttaa gttgcgatgg gaatccagaa 60
aacgccatat ggacccctct atgctgtgaa atacttcagt actcaggaga agtcacgttc 120
tggttgctgc aagcgtgtga taccctgtca ttaaaataag aaatagattg ttatcctctg 180
ccaag 185

<210> 639
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(93)
<223> n = A,T,C or G

<400> 639
cananctgtt nnntcaaatc tgatnnnggc ncactgaccc tgaaaaatgg ctgagctaaa 60
ataaaagctg tgtttataac gctgaaacga aat 93

<210> 640
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 640
gcctcacttg tcctctcagc tatcaagata actgttgggt atgaaaactg aactctgtct 60
tagagggttt ctttttccag aagatgcatg tttggaattc tgcaagaact cctgatcact 120
ttaaaatccc aatgccttta ttttcaagat gtacagtttc tgtcttttat caaatagagg 180
agcaaaatct attcttccaa aaaaaggaaa aatgcacaat atccaaataa attttcccca 240
gctgcttnct ggatattgga attagat 267

<210> 641
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 641
gcccacatag aaaagctgtc attggcctcc gggtcaggca agagatggga ggtgttcaga 60
gcagcaaacc ctacaagatg ttggaggcca ttcacaagca agcgcctgct tggaaaataa 120
cgtgggataa gaacaatgaa ataatttgat gaggaaagtg ttgtgctaca ttgaatactc 180
acgtcacaaa atgtgcttct acattatgta acttacatgg tcaaatgact ggtacatttt 240
attcctgtgc taatttgtca attctgttcc aagnggaaag agtctaacat gacttttcaa 300
aaacaaaaca agacaaaaca aaac 324

<210> 642
<211> 311
<212> DNA
<213> Homo sapiens

<400> 642
agacgagggg cctcgctatc ttgtccaggc gcgtctcaaa ctcctggcct caagccatcc 60
tgctctccag cctcccaagt agctggaatt acagaaattg aagaatcagt tccagagaga 120
tctcctggag ggcctaggat cacagagcaa agcagaaacc acagctgtct cggaggacga 180

aactccagct cttcacccag agatagtcgt gggctggtgg cttcagggcc cactagggcc 240
tttgttatga gttttctctt cccagcggtc cttttattgc ataatcaata aaccactgac 300
agaaataaaa g 311

<210> 643
<211> 398
<212> DNA
<213> Homo sapiens

<400> 643
gataccttga ctccaactca gtgactacaa agaactgcaa acaggtgtga aaacaagcaa 60
taggtcatct ctggcattac ctgggaattc aagttcagcc ctgcattctc cctctgggca 120
attctggtag agaccatgag gcaacccctg ggaggagcag tagccataac aggatcccc 180
cacagcaacc ccagggctaa gaccagtggg tgcaaaacac cttctttatc aggtgacgcc 240
atcgcctcaa ctcctgcagt ggtcaatatg gtcaatatta agttcacaaa catgggaact 300
tcctgacatc atcacagaag gaatgaaaat gcagttgggg tggctggtac attttaaaat 360
aaggctggtt ctcctgggag ggaaaagggg tttttttt 398

<210> 644
<211> 281
<212> DNA
<213> Homo sapiens

<400> 644
atcatttact ccagggaaga ccagctgcca tgtcacgtgt agtcttatgc agatgactac 60
atgataagga actacagcct cctgccaaca gccatttaca ggtaatagaa gggagccaga 120
agcagttctt cattgctaca ccagacccag aataagggta gactcttgtg atcatcctcc 180
ctttctcaag agctggagac cagatcctac tgaagagtcc aggctctacc atgtatgaac 240
aagggtaact ttggaaaaat tattaaaact ttccaggcct c 281

<210> 645
<211> 364
<212> DNA
<213> Homo sapiens

<400> 645
gtttgcagag aaccagcagc ctgacaacca gccatctctc ctcttgatac cagtgttcaa 60
gcaggctgaa ggtcagaatc ttggcagttt gtttcctaga atatacaaca tcagactgtg 120
cttcctaaaa gtccaggaga gttcttctac gagaagattg gaacttgata gagcagaaga 180
tcagctgaac gctggaagac tctccagtgt gaaatgttta tttctaggat cttctgttca 240
accttggagc cttcagagtc ctatgtatag tcttaaactg ctgatctaaa aatggtgctc 300
tgtttcagca ggtaattaat gatgttacac attttaataa aatttttcag ctagatcgct 360
acct 364

<210> 646
<211> 403
<212> DNA
<213> Homo sapiens

<400> 646
gacacacagc cctcctgaag aaataactca caatcttcct gtgcccggct attgccagac 60
ccttggctga taggagaatg gatgttagct gactgcaacc ttggcgttat cagtactgcc 120
tgtggccctc tccagcacac agcacaggcg ccgtcctata acatccccag caagccctca 180
tttctttgca gtggctcctc ccttgctgac ctgccccttg cttcggctcc tcccttgctg 240
acctgccccc tgcttcggct cctcccttgc tgacctgccc cttgcttcgg ctcctccctt 300
gctgacctgc cccttgcttc ggctcctccc ttgctgacct gcccgttgct tctgtgctat 360
gcacatttcc tactttctct aataaatctg cctttcttta ccg 403

<210> 647
<211> 428
<212> DNA
<213> Homo sapiens

<400> 647
gttgctatga cagccaggaa tttgcgaacc aaaccagacc tggagaagaa gtctctcctt 60
ggcccaaaga gtttgcagtt ccaagtggtt ctgctcatgg ttcctgttgt cttctttgac 120
acctgccaga tggaagaacc tctaaacctg ggatttggaa atgtcccaac agaaaggcta 180
tttccaagct ggctgaagct tggaaataaa ttcgacggaa tttaggtgtg atagaaggaa 240
cttcttggca agaaaagctg gaaaatatta caataggtcc cagagagaac ctcattatct 300
tctcgaaaaa atttctatat ttgtttagtg ttctgtggtt tgctaagcac attcacataa 360
attatctaat tggatcttca catccgcctg gtgaaggagt aaagataggt ttcataatat 420
ttgaccaa 428

<210> 648
<211> 26
<212> DNA
<213> Homo sapiens

<400> 648
tgagtggaag cagcctgagg acctca 26

<210> 649
<211> 161
<212> DNA
<213> Homo sapiens

<400> 649
ccctgctaca tcctccttca agatagaaag aagaaaccct aaacacagag aatgcaagaa 60
gcagaagagg gccccatctt tacagcgatc agctagcaga gtcaaaaagc ctgtgtggag 120
ttttcaacaa agcagaggtg caattttcct tggaaaaaaa a 161

<210> 650
<211> 295
<212> DNA
<213> Homo sapiens

<400> 650
gcacatctgg ataaaggcag aaacaaagta acaagggagg aagtcccagt aaaccaatct 60
tttttctccc aaacacatat tttggggctg acatcatagc cacatggcac aaactacaga 120
tggaaaagta tctgaactca aatccggaaa cttaaccttt atcagatgaa gacaagaaag 180
acttcagcag gcaaactcac acctgttggg ctgaggagct agaaatcaac aaccaaatac 240
caacattact gctctggaaa taacttctgt tagaacaata aagtaagatg agggc 295

<210> 651
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

<400> 651
atctctctta ccgggggatg caccaaagcc cagctgttca gtgtcaatgg ctgccagctc 60
ccaactacat cccacacaga cgggagccac ctcaatgtct gcgagatttc ctgtccctcc 120
ttttcaatcc catcaaggca ccctctacca atgactgatg gatacaggga tacaaaagcc 180
cagacaccta tcttccaaga ggaaaaaact ctgtggtggt gccatttatg ttccagagca 240
actgcgggat caagctgagg gtggactcca gctgaaacca catgcaacag actgaatgct 300
tgtgccctcc caaaattaat atgttgaagc tctaatccca atgtgatgat ggtattaggg 360
aggtaattgg gtcataaang nggatcccct gttaatggga ttgcactta 409

<210> 652
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 652
gctcatagat ggaaggaact tgccttgagt ccccagtaag acactggatt ttggaccttt 60
gaatcaacga tggaaagttt nctgaggcct ccccagaagc agaaaccgct atgcttccct 120
tacagcctgc agagccgtaa atgagagaaa atgcaactgg aaaactggct tccattctaa 180
gatatttaag caaganaaat aatcatagtc tacataatca cagaatagct tggaagaaga 240
tgctactgag tatgttacac aggagcttgt gatcaaatgt aaataaacag gtaacatgga 300
cttgggaaa 309

<210> 653
<211> 434
<212> DNA
<213> Homo sapiens

<400> 653
atgtctcaag gaagtggatg ccaggaatga tgaatcactg aagcctgttg ggggatccac 60
actcgaggca cagatcatac aatctttgag agtaaaagga tggatcaaga ccacaggaaa 120
gaagggatga agctgtggag agtgaggatg aggaacattg cagatgactg gaggccagct 180
ccctgacctt cccctactgc cactgctgca ggccctggtc aggggaagta aaactgacac 240
tagctgttta tcatgcttta agaccagaaa gtaaaatgaa aaccattacc acctctcagg 300
atgcaagaag gcacaagaaa ggactaaacc agttgaagat gttatctcaa tggaagaagg 360
aatcctaatt aaattgaagt cttaacaaaa agacggtcta tttcacaaga ctgatagaga 420
catatacttg atga 434

<210> 654
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 654
caccangata actgatccaa gtcacaagca aacactcaac ggaggatgag catccatcca 60
gccacctgtc tttgcctgct ttggaggtga cgcctggctt ntcccagcag cgctgatgga 120
tctgatggtg atttcatacc aggttgcagc ctttagtccc gtcacagtgc ctggggaatt 180
ggccaccgtg gtttcaatga ctgtgtcccc gtcttcancc gtgaggaggt aactggtggc 240
acccggcact gtagcccatt ctacagngat actgttgctg agttttgaat atgcctgatc 300
aatagtgggt atttcaggag ctgaaagagg ttttagagtt gtacattaac caanatacct 360
acgaggatga cttctttcat cattntactc ttcaagctaa atctata 407

<210> 655
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 655
gtccngggag actttcatct tcaaactttg agagagagct gagaagcctc ggaaccgtcg 60
cccccgtgcc cccaacccac ctcccggatc cgcgaaacct acaaaactgg atcaccagcc 120
gtctcacgcc actactgcct gtgccaagaa tcccaaactc tactgatttc aagcctgtct 180
tttttccaaa gaaaaaagtc ttatctaacc aataaacaag ctgctttccc tagc 234

<210> 656
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 656
cacnacctgc attaagtnac naactgaggt tgatcccagg agaaaacatt ctactcctca 60
gcatgggtct tgcctgattc atttaccaac tatgacactc tcacccagag gcataccaag 120
aaaggaactt gagaaaacca ttccagttaa agcaagttga cccggcacag tccaaaatcc 180
gtgctatgca gcacagtcca aaatccgtgc tatgcagcac agtccaaaat ccgtgctacc 240
cagcacagtc caaaatccgt gcagagctcg tggcacagag gaaaatggac ataaggtagc 300
ggtaacaggc tggcgactgt ggcttttaca cattgcttca cacaaccctg tccaggagct 360
ttacacactc actaaacaaa cagaagacac catccaattc actggagccc cgttggataa 420
at 422

<210> 657
<211> 333
<212> DNA
<213> Homo sapiens

<400> 657
acgctgtgct tggtcctacc taaaatacaa aatcaagacc acccaggccc tgctctaagg 60
aagtcactct ctagaaaggg acagagacat gctatcagga agaaaactga atatccttac 120
attgtgaggt cagatgtatg gctttcattc tgaatgcagt aacttcaaat gtagacacgt 180
gaacagaaag ctttgtaaca gaaaaacagc attgtttcgt tagatgacta tagatagtat 240
ttcataaaat acaagaaaaa cactcaaaat tagctccaaa aaatgtatga aaggtgatac 300
tctgatattt aataaaactg aacctctcac aac 333

<210> 658
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 658
ggacaattgc ctttgaatga agaatgacag agctctggtc ttcgctgacc cttgcaactc 60
ctgcagcgta atccatggca actcgttact acggcaacca aggaacatgc accagaccag 120
gataaaaccg tgaaatctga tgtcatattt tcataagaca taattgcaaa tgatattcta 180
aagcagattt gttaaacgtg tgatctaaat tataagttaa gttggaagtg attatgaaac 240
cttcattggg actaanaatt aagggtctgt gttcatgcac tcagtgattg ngttcatgca 300
ctcagtgatt ttattgagca cctactatgt gtggcacacg gagatgaata agacatagnt 360
tctcatgnct attcttcccc tcagcccccc tcacctcttg aacagacata a 411

<210> 659
<211> 398
<212> DNA
<213> Homo sapiens

<400> 659
tcagaaaaaa agtaaccaac tggcccaaac agcatgaaag aacaccaggc aaaaaataga 60
agaaatatac cgtatcatca aaaggtgcgt ctgagttgaa gtctctgttg aaaaactgct 120
tattagcctg aagaatctag cagggtcatc agaagacttt tcacacccag ttggttcagc 180
tgtctcagat gattgtactg ccaagaagct cctgtgattc ccagcttggt ccccttttgta 240
gaaggccacg tcttcttaac ctaggaataa atgaaactga acagatgcct atacccccctt 300

gtgatatttt tctgtgacac ttaacatact ttgaaaagac cagggaaatg ttcctatcaa 360
agaataacag atatatccac ctgaagcgta tcggcata 398

<210> 660
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 660
caaactactg ctttgtccat gaacaccttg tcaacttcaa agattcactt ctgttggaaa 60
taaacagcat gagcagaagg ctgccaagtt acagaaaatt tgaagattct tgaagattct 120
ttgatgacaa caagcttggc agggtggctt cttgatgttg aagtgctgaa aaggcngatt 180
ttaangggtt tnnaatggaa aaggggggga g 211

<210> 661
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(86)
<223> n = A,T,C or G

<400> 661
ataanaaaac caggtntgcg gggaaattga gacttgaact cangnctggc ggactgcnaa 60
gntgacacct gtctgctaca agcaag 86

<210> 662
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 662
ccattgtctg ggagttttgg aaccactgac tgactcttcg agcaccaggc ttttcccttg 60
gtcctcagca ctgggtgggg agccctacat cccagaagtc ttgggaaaca gggtggagcg 120
gaatcgccta tcacagccaa acaagactct ccaggaggaa atacagcaga gacctgctca 180
gggcttagca aacagtgaca aaggtgaggt gaagccagtc tggacgcaca ccagttcggg 240
atgatctgag gaatgtcagg cagtccctat atcctcagat gtgtncccat ccacctggca 300
catgtctgga acttcccatt 320

<210> 663
<211> 386
<212> DNA
<213> Homo sapiens

<400> 663
gacacacaca cgaaggttcc atctatgagg aatggaccct ttccaaacac tgaatctgct 60
gatgtcttga tcttggactt cccagccttc agaactggaa acagccatga caaaatagag 120
gatgaaaatg ttcaaaagaa ggggataact gatgagggac aaaagaattc cactggaaat 180
ggcaactaca gctggaagag tgaagatctg attaaggaag ggctggacca tcagcgttcc 240
tggcattgct ttcaccccaa caggacttga cctccagtat ctcttttcta ttcatcctgt 300
accagctgct gtctatatgg gctgaaattg tgtctggttt tgctcatcat cttatagcat 360

atagcaggag tgtaataaac aattgc 386

<210> 664
<211> 249
<212> DNA
<213> Homo sapiens

<400> 664
gccttaggtt ccagagcctt accaggatga gagggctgat ggtgacagtg gcagtgaccg 60
gaagctggga gcccttccca aagcccctgg agggaactca ccactagcac gaaccgccaa 120
ggccctgggt gccagcctag tgcccgccct aggagactga catggaaggc ttctggcttc 180
agtcaaatgc catctcactc atttgcctct ccttttcttc ttttccagaa ttaaagctca 240
taggatgat 249

<210> 665
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 665
cttatatact ttgatgaatc aagctgtcat ttanagagcc tcgtgggaag gactgagaga 60
ggtgtctagc caacagccac tgggcaactg aatcctacca acanccatgt aaatgggctg 120
ggaagcaaat ctttctcagg cttgagatga ccacagcccc ggtcggcacc ttgattatag 180
nctgtgaagt ccctgaaagc agaaccagcn taagtcagcc cagattccca acccacagaa 240
actctgaggt aataaatgtt taaagccact aaaaaacc 278

<210> 666
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

<400> 666
gactccactg aaatgcgctg actgcaagag tctatngagg gatgggnaat gtganccatg 60
agggacacna gncactctgg atggcgngct tgcccggntn ccntgaacnc ttannggang 120
gcnggntgtg gttcnanagg atgtgggctt tnccccttac aaanggatag aagtgggagt 180
ttgcctggnc ccccgaccca gcanggactt ttacaagggg accntgaatg cttggganaa 240
actaatggcg aaaccctggg ncctcactta agggcttttt ttgnttgccc naaaccaaca 300
cttgatctnc cttatttggg agccaaggga gaanganccc cgggggccc ttgaattttt 360
gcaanggtgg gcttaaacaa aaaacgtggg ncccaaaacc caacctgttg ccccaaggcc 420
tgggaaatgg ccaaatgggg cttcgaatct ttggggttaa attaaaaaac cctnttgttt 480
tntttggggg ttnaaaaaca aatttttttt ntggccttta aaaccccttt tggtttnaac 540
aaaantttt attttgggcc antttaaan ccccccaaaa aaaaaacctn gggnnttttt 600
gggggaaaa aaacctttgg 620

<210> 667
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 667
aagcagtgtc acgagcaaat cgcagaccag aagagacact tgtgggaaac atctagtgac 60
tcagtgattg cagagatagc aaggaggagg aatgatgggt caggcttcct ccagtccccc 120
atcagaatcc atgggacaag caaaggattc cataaaggca gctgagagcc actgggggct 180
tcctgttcaa aagctggaaa aagttaatca gacccagcca gaagacacta gtggccagca 240
aaaacctcat cctgggggag cggttaaaga cagggcttct aagcaggagc cccgtctgta 300
gctgtgagtc agcatcacca tgtccaaaac aaagtccacg agtgggccaa accccacaaa 360
aacccnngga cttggggttt tntgganant ttancccccc ggggaaggtt tt 412

<210> 668
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(257)
<223> n = A,T,C or G

<400> 668
cgtcgaactg agatcacaag accctggttc cagagcggtc ctgctttaca cccgagggga 60
aaagggaatg gtccntncag aaagggccan aagaatctgg agangaaggc cnatcacctt 120
tggcccggtg ggtgnccatt ctttattgga cctaagcctt aaaaatagac caggttcccc 180
tgggtctttg ggtcttcatt tttgaagact cctgtcatgg taaaaccttt ggattaaaat 240
aaatggtatc atgcatt 257

<210> 669
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 669
ttcgtccact gagtnantnc gcancaagaa cagcaggcaa aaggaaaggc accaagtgta 60
aaggaagaat atttgaagca gaacagaaaa taatttctga gcaaaaaggg ctatgtgatg 120
atgcttcatt cagctggtga tccattacac ctgttaagag gccaaagaga actgtagatc 180
tctgaggtcc atgggggcag gggcaaggga ataagatgaa gggaacacta gaataaatga 240
agtgccttaa cagctgaaaa ggctgatgga tgtgctttgc acctcagaag acggaactcc 300
cagcaggaga ataaagagtg caacaagagc agagcctgct agaacccaca cagtnaggga 360
actgatcctc taataacctc tnctttcaga actttataat gngctattaa aaaccccttg 420
tttgngggnt anaaaaccng ggctttaccc cccttaaang gggtttttg gcctttggcc 480
naaatcccca attgggg 497

<210> 670
<211> 257
<212> DNA
<213> Homo sapiens

<400> 670
gaactgagag acgagaccta tgttacccag gctgtatgtg aattcctgga ctcaagcaat 60
cctcccatct cagcctcgtc cctggaactc ccctccaggt gccccaggac ctgagagaga 120
ggtggagtga agggggagag aaaacaaagc ccagggactc gcccccaaaa aacacaatca 180
agaagatgct cccagctttt caatttcaga cactgagctc ctcgcaagat tttgttggaa 240
ggaaagcttc tacagtt 257

<210> 671
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> n = A,T,C or G

<400> 671
agacnanncc tnnggctnnn nggtggcttc ggattccang agggcgccca anaacggatt 60
aactgncagc ttcctggagc acaagcttgn tattagcgcc tatatccttg gtcaagcaaa 120
agtggctctn caccaactta atggtctttt taccacccca ttttctggac gaacgtaatc 180
acaagtaaga accaagaagt gtgcaagtcc ccgaatccca agtgcttcat aaataaaaga 240
atcccagaag cttc 254

<210> 672
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 672
ctccactttc agcctccct tgaccttcag ttggagccat ttggctggag tatgaccaat 60
ggagtatata tagaggtgct gctggactgg gacacatgac cagatgcacc atctcttttc 120
ccttctggtg gcaccacaga ggcccgcacc attaccagaa gcataaccat gaagggaagc 180
accagaaagc ctgaatcggt tgcttggaag ggagaaactn ccaggggcc caaaataacc 240
cagaaaaatc ttaccttgga ttttgcttaa aataagaaag taaaatcttt tattggtgtt 300
aaatcc 306

<210> 673
<211> 125
<212> DNA
<213> Homo sapiens

<400> 673
gtagactgag atgatagtaa cacgaaagga aaattcctaa ccagtgcgca agaaagaaga 60
aaatcaacca tgcataacac tgattttaga taatatctta tccataaacc aacagagaaa 120
atgcc 125

<210> 674
<211> 288
<212> DNA
<213> Homo sapiens

<400> 674
agaactgaga caagagtaaa aaaatagtgg tacacgagat ttggatatca aaaaggttct 60
gcagttaagc tgatcagttc cagcaagatg gaagatcaac ctcaccattc atgaaaagaa 120
aacaatggct ttaagtcacc accaccacca ccatgaagac aaagccaagg acagaaaagg 180
ggtgaccggc cttcgctcag gagtttgtca aaagagttaa aagttggtca ttttgtttta 240
ttgcctattt tatttctccc cgactttaag aatgggtcct aagcttgc 288

<210> 675
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(343)
<223> n = A,T,C or G

<400> 675

agtctnattg atgtgcagca aagcacacca nactccgtnc ttggntggna ttagnttgac 60
acncacccca naccaggtat tcnggcttca accnagggtc tggacattnc caccntangg 120
aaccaggaat aaacaagtaa ggaaaaaact tcactttcga acccttntaa tggacttccc 180
attttcccaa anttggccaa atcaagcact tncncnnntt taccaaaggc ccccttnccc 240
cggacaagaa ttaatnttta aaaaaacntc ttgatcccca aaatgtttcg ggngaggaca 300
aangtttgga agtaacaaat aaaaaattnc caggtctcct tgc 343

<210> 676
<211> 94
<212> DNA
<213> Homo sapiens

<400> 676
tagtcctgca ttagtagact gagtgccatt aaagatccaa agtcatgact gactccaagt 60
atttcacaac ccaataaaaa agggaaaata tttg 94

<210> 677
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)
<223> n = A,T,C or G

<400> 677
gactctgggg agctcctgca ttaagtcaga gggngagatg aagaaactgg ggctctgaat 60
ggcatattaa cgcgtgcagc tccagacagc gaggaagtga tggcaactct atccgaactc 120
aaatctgcca gacctatacc agtaggtgcc tgtgtgcagt tggggactca cctctgccat 180
tgctggcatg agctagctgt cttgaactga aaacagacac tcaaagatgg gctgtgggat 240
cccagagagg tggcagaatg gtcaaagcta tgaagccaac agctgctgcc aagaagaaag 300
tcctgagccc tgagtgattg taatttaaaa aacttaatgc tgggagtggg tgtttatttt 360
ggaggagtgg gctgcttatt tttggnttgg ggacttgttc attcatcttt tctcacggcg 420
cctactgctg ccctggnccg aagttaaagc tcaatg 456

<210> 678
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 678
agaactgagg aaaaacttga ccaaaggaag ccacccacac tgataattgc cagcctggga 60
gaaatgactg tagaaggcac atccaggccc cactcccaga cccagtgccc aggctccaag 120
catctctcca tactggaaca gcacggcagc tccaaatctg gaactcatac cccgatctgt 180
aacccgtacc tcagacctac atcttcaact gatttcagcc caactgtgag gctaattctg 240
ctttctttct ttggatagag gcttaaaaat aaatataaag aagatgatgg acacgaacgt 300
agattaatac tcttgtaata cctttaagga gtaactactt taatagcttt aggtaataac 360
tactgcaaac actgggatga attggggttt atctgctttt taggtgaggg gaaaancccc 420
cnnccaaaat aaccccncct ggggttttaa ggttaanaat tttaaaantt tnttttnaaa 480
gggttggaaa aggg 494

<210> 679
<211> 246
<212> DNA
<213> Homo sapiens

<400> 679

gcgactgagg tttacaaggt gactacgctg ttctagtcca tcttgaagaa tacaaaatga 60
atcaaagagc atcgcttctg ccctcaagga gcttcctatg tggaaaggaa gatgtggtac 120
ataaaggatg tggatttctg ccttggtgtc ctgctggtga attctctcca gttataaaac 180
attttgttac cttcattcgc tcttaattaa aaagggaaaa gaaactccta gggctctgac 240
aacagg 246

<210> 680
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 680
gcctgataag tacaactggt gctgctggga gacgcttaca ctatagtctg aacttctaca 60
gagccttttc ctactgtaaa cctcactcaa aaatgacagc cttccatttc acaagaatca 120
gagtcttgct atgttgccca cgtggtatca actccnggcc tcaagtgatc ttcctgcctc 180
agcttaccaa agtgttggga ttacagatgt gagccacagt gcccagtctg tgtgtgtttt 240
tataattgga agcacatgac atcttttaca caatatgcaa atgcatattg aggaaggagg 300
gagagcaaat atgtctaaaa gtaatcacaa taagtcttga cccattaact gtcagatcaa 360
aatccacacc aattttagat tcagaagaac actttgtctt ttttaaaaac tntttntaaa 420
acaccttccc ccgnttttt taaaaaa 447

<210> 681
<211> 299
<212> DNA
<213> Homo sapiens

<400> 681
agaactgagg acggtgggtg actggctccc ctggcccttc cttgctctca gcaagagctc 60
ctgccactgc cacagtggaa aaggcctgaa tttgggaaat gaagacgtca gagactcgca 120
acttcttctg aaagcccagc caactttcct acaagcatga ctgcagacgt ggaagagaaa 180
aggcagatgg cctgggttca aagcccagct taaaaacaca tattctagct ttgtgacctt 240
ggtcattttg gttttacttc cctcatctgt aaaacgggga gaataaaggt ctctaactt 299

<210> 682
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 682
gctccccaat gaactntatn ctcttcattg gacntgtatg ggattatnga naggaacttg 60
cntacagagc ggnccactag agctcagcca gatcatccta cagtgaagct ctcaggaaac 120
aagtaccatc tacaaggtgc ctaaggaagc acagaggaga gccacctcca aaatggatac 180
cctctccaan ggtttgtagt gaaagaggca cagctcttgg cctggagttg gtgggggctg 240
cgataagtgc aagatacttg gtgacaggaa tcgcgagcat actcttgtgt tgtacggatt 300
ctcagggtcg gccctgcaga ggaaagaact cngtcaccgc gaggtcctgc caacatgccc 360
aaagtncccg gatatgtgtg cngggngtta aacctaaanc ccccccccc ttttaatttt 420
ccnaaaaccc cccaaaaagg nttggggccc cttcctttta ccccctaaa ngggggggg 480
angntgnttt tttgaataat 500

<210> 683
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 683
ggaggaggtg aacgcatgtt ttggcattac atctgggctt ccagccctca tcaaggggaa 60
ggggcttctg actcctgcca gcaaagggac ttagttgctt tcaagtggga ttttattcac 120
ctggacagtc atgcaaccaa atcacaagca gagaggaggc ttccccaacc cagagtcccc 180
acacgtgacc cttaatataa tgtgtattga tgacaacctg aagcagcctt gacttcagtc 240
ctcagganaa caatatgcaa ctctttataa caactggagt ttcccagatt tccaaagttc 300
aaatgaagtg aaagacaatt tctggtgagc atagacatta aaaatgagaa aacaaatttc 360

<210> 684
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

<400> 684
ggatgaggta ggaagagcgg tggattctac tcctctttca tcatttgacc ttcaacaagt 60
caacctccac tctctgggcc aactcagcaa accaagcccg aggacccgac cacctccaag 120
atccacttca gctccaagat gctacagctc tatttctcca agagccttcc tccagcatgg 180
actgattctc caggcccctt tgtgtgtata ctccccacaa agggacactc acaaattgca 240
ctccaacaag aatgagatta tcctctaaag tactgcgtta aagtgaggat cagggagaaa 300
tgaaataact ctgagagaca cttcctccta tacagaagca agcaagaaac tgggaaaggg 360
aaagtccttc cgaacagaag gggctggaga aaactcataa cacattagcc ttcactctta 420
aagctttcag ncaccaaaga aatgcttgat tccgaaatcg gtttttgtt 469

<210> 685
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 685
taactgatgg tgangtntnt nctaccagtt tacttaangc tgtatgtacg ctgcttgaac 60
cctaaaagct gggaaatgag ccaaggccac ggtgctcagc tgaggagcag gtgtccctga 120
gaacccaaac atcctagagt gtatctggga acataccaag gaaaagagtc tcatcacatg 180
cggcagccaa agagccacaa aatcagctta aaagcagctt anaggcgtgt ggtgggtgga 240
tctctagagt tctcctgatg ctgcccgaaa atgtcctgtt tgtgaatcct aataaactca 300
tctactcctc 310

<210> 686
<211> 97
<212> DNA
<213> Homo sapiens

<400> 686
caccagaact gcagatggat ttccgacgga tgaatcacct tcagcaaccc cagcaagttc 60
tcattaaatg tttaccctaa agtaagattt tatgatc 97

<210> 687
<211> 344

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 687
agcaatctcc catctttaac agatgaagct taacacaaga gcagcacaaa aaccgtgaaa 60
aagaaggtgg taaaaaatcc atcttctcag actaccttgc tgatgaaaaa aatagctctg 120
tgacacagtt caagccgatg aggtatgagc agaanagttc tctgactgtc tggaaagnct 180
gatttcctga tacagacacc actcttttcc ccatgcctga attctanatg tgttgataga 240
tactggggca gccatccagg gaccatgagg ggnagaccaa gagaattcca gaaaggntga 300
ctttgttgta acttcaacct ctgaaccact tgcctactct taac 344

<210> 688
<211> 193
<212> DNA
<213> Homo sapiens

<400> 688
tcgattcaaa tgttcttcac agttgtcaca cccacaggat cacaaactca actgaatctc 60
ctttaggtca agtttctgtg gaagaaactc agaaaatggg acctggagaa atactcttct 120
catctaagtt gtcaaaacac ctatggtcat ttttcagtaa ctgataatcc aaaagtaaaa 180
tattaaagtc cag 193

<210> 689
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 689
acagtcctgc atagtcctnc tnagcctaat aatcctggtg accaactata cccagcaggg 60
aggacaaagc tcttaacacg aaagagtgag gagaatctct ccattaccct tttacatatt 120
cagggaagag agaatatcgc agtcgctgga aacgaagggc acagcatcgt gttgctgtat 180
ggccacggtt ggccacagaa aggcagaaag tcatcaactg tatggaaacc agacaactct 240
gacgatttct atgcaaggtg actacacctt actcgttctc caagtattaa agatcttttc 300
atcctt 306

<210> 690
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 690
attacagatg ttctgcaaga caggctgaga aacagaatca ttccaatcac tcctgctgta 60
tcctgagggg agactctccg cctgttcaac acagggacac gctgcctccc gtggcaaggt 120
gactgtcttg ctgctgactc gggcaaaaag accatgagaa tgaattcacc aaccagggtt 180
cccttcccnc gtaaatactg tgagaaaatg gatgtcagtc tccagctgac cgcagagaaa 240
tcacggccag gtgttggcac ttacagagaa gaatgaatac agaactgctt taatcataca 300
ctcaggaaac tccccaattg tatcaatgac tctatataag gaaacgaggn ttgggacctc 360
caaacnaact ctntgggngg ccccaagcaa aacaattcac cccaacggng gccctatgga 420

caaganaaac tcctgcagtt attctatttt ctnagctccc tgctcctcgt tttcctcacc 480
ttagcaaga 489

<210> 691
<211> 244
<212> DNA
<213> Homo sapiens

<400> 691
ccctcttcca actggaggct tatcctgtgg ctgggaacat ttcctgcctg gctgcgagga 60
gtgagactaa gaaaccatac ctcaggctga ggagagaggc cgggtttgat atgtgtgccc 120
tggggaagaa aaggagaaaa tgtgatactc tctcatttaa agcatccaca tcaaaaattg 180
aagaactgga ttacattgct gtttacttag tcaagttaca ataaacttga tttccttttg 240
ggtc 244

<210> 692
<211> 237
<212> DNA
<213> Homo sapiens

<400> 692
agaactgagt taagaaaata cctgggagga ggagccaaga tggccgaata ggaacagctc 60
cggtctacag ctcccagcag atgggtatca ctatcttgcc cagcctggcc ttcaactctg 120
gaattcaagt gattctcctg tctcagcctc ccaagtagtt gggactgcag gttgcacaag 180
tacacctggc tctgatttat tattgaagac tccaaataaa gaacttgcag aaactct 237

<210> 693
<211> 147
<212> DNA
<213> Homo sapiens

<400> 693
gtatccctga ccattcagga aagagacatc aatgacccga aacaatacaa ggaacacaag 60
atcttcatga atcaaatgat acttggaatg aatacaccaa taagaattta ttgccaaaaa 120
gttactttat taaaacaaat tttaaat 147

<210> 694
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 694
cgacagagtt gaaaccagat gggatatcac acaattacaa acccacgagt tttcctgtta 60
ctttaaggac aaaggaagag gacatttgaa aagacagtag tttnagaagc ccttgaaaat 120
acctccatca agaagctctg gatctgcaag gggtgggggc ttttgcatt 169

<210> 695
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 695
cgataatatg ctgtatgagc ctcctgctct gctgcccatt acctgcgtca cctccacaag 60

ctactgaacc tcaaggaacc catctcctca tcaggaaaaa aaataagctt tatcagggtc 120
tgaactctgt aggtcttcac cacggctcag gaggatgagg agcagtgaca ggccaaacta 180
cgagaaaaga cagagggaat caaactcaac actgtgtcta aacctcctcc accactgttg 240
aggggatcct ggcatcagat ggggaacagc tctaaatcaa aataacctca ctactgtgct 300
tttctgtaaa accaggtaaa gatcaaacaa gcatgagttg aaaggntaaa aaaaaaaaaa 360
aagggccggg gnggccattt angttgggat tnaacnnggt naaanttntt aaaaaggggg 420
ggccccccc 429

<210> 696
<211> 185
<212> DNA
<213> Homo sapiens

<400> 696
gctgaaacat gactatgatg gtgacctagc tttggccatg caggagatga cagtggcaag 60
agaaggaaaa tctgggtttc agatcgacat catggagcag agctgcgcca acaacctgaa 120
atgcatgctc acagtggcct gttaagaggg acagaaatat aaacattaat gaatgaaacc 180
actat 185

<210> 697
<211> 292
<212> DNA
<213> Homo sapiens

<400> 697
tgtaagaaat gaacagacaa agattaaaag actgcagggt tgaaggaagc tcatggaaaa 60
atgtgcagag atgcataaag gaaggagaaa agtgcagcaa agccacatag aaaaatggcc 120
agaagggtca ctcttagcca ccaccacaca gagaaatgaa ctaaaatgaa aactcacaac 180
tcaggaatat ggaataataa gcaatcagaa acataaatat aagcagtttt atctattcat 240
tatttttatt ctactattag aataaattca tgactaaata aaattattca gc 292

<210> 698
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 698
gtcctgcatt ggccaactga ggattcttcc aaacaagagg ccctagtctg tgactgtcaa 60
gccttgccat caacactcct ctttggtgga gagctccctg ttggccctga ggcaggagtc 120
ttctgagatc ttgacatatg ctgggcttga tccaggcctc agtacaggtg aggaaacgga 180
ggcctgtaga agtgaagtga cttgctaagg ggcagggctg aggtctgagg cctggtctga 240
gtccaaaacc cgggcaggct ctgagagctc caccctgctg ccatcttacg tccaggcagg 300
gcctgcaagg gacagcaatg atgcaaagac aaacaaagga agagcaaccc cagccctgcc 360
acaaaaccag ctgggaccnc cggccaaaag gagttattcg acctntccag cctcagttnt 420
tcacttgtnt atgaaaccaa cangagtaaa tatagaatgg gagttgaaac gc 472

<210> 699
<211> 203
<212> DNA
<213> Homo sapiens

<400> 699
agaactgaga tctgaacttt aatactcttc atgcttacag accccggctg gcctctgtcc 60
ctcaccattc tgtgtctaga aaaagcagtt gagaacccat attcttcaag aacccttccc 120
cattaccaaa caccatatta ttatatttaa tctacccttc agttcttttg tagccaaatt 180
aaaatgtatt actctgaaga aag 203

<210> 700

<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 700
atgcgggaga gaatatttga ccttagattt gtccgcctgc atctttctcc tgacgccaac 60
ctcagttcct cctctgactg cctctctcca tctgtattgc aaaacaccaa actctctgcc 120
aaagaacaca tccaggtgtg gccatgtgac tgagctctac tcagtgagaa ctgttgtggc 180
acgttctgga cgatgcctca gtgaggcgat gcgcatcttt tgccttccct ttgtctcctg 240
ggaagtgatt ttgaggatag aaggtatgcg ctgaggatga tgggacagaa tcatgaagcc 300
tccatccaag acttcgctcc ttcctatgga tttcttttat gngggaaaat aaataattgg 360
gggggtgga aa 372

<210> 701
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 701
gactctggcg agctcctgca ttacctcnca tctgtgactc tgaggggaga aagggaatga 60
catccaggac aagaacaaag aatagaagag gaaaggtgct gctacaagtt ggaaagaagc 120
agacagaggt ccctgctgat tctccaaata tgtgtctaat ctgtttactg agttccatag 180
cacttggagc catccatgcn aaaatctgta gaagagcatt ccaggaagag ggaagagcaa 240
atgcaaagac gggcgtgaga gcttggtgca tacagccatg ggccaaataa agtttccttg 300
gaatagcaaa aaaaaaaaaa aanggcgggg ggggnnngnc catttnggtt tnancnnnnc 360
cnnnnttttt ttnaggggggg gggggccccc cccccc 396

<210> 702
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 702
gtggtgttcc cactgntgaa gagcangcga cnggnaagga ccatnaanca actnaccagc 60
taggagtgat gtactatgat gggctgggga ccactctaga cgctgagaaa ggggtggact 120
atatgaagaa aattcttgat tctccatgtc ccaaagcaag acacttaaaa tttgcagctg 180
cttacaacct cggaagagct tattatgaag gaaaaggngt taaacnatca aatgaggaag 240
ctgaaagact gtggcttatc gcagcanaca atggaaatcc caaagctagt gtgaaggctc 300
aaagtatgct cgggctgtat tactcaacca aggagcccaa aggggtaaaa aaaggcnttt 360
tactgggcnt tccgaagcat gtggcaatgg aaatctggag tcccagggtg cacttgggct 420
catgtacttg tatggacaag gcatccggca ngatacggaa gctgccctgc agtgcttaag 480
agaagcagca gaacg 495

<210> 703
<211> 369
<212> DNA
<213> Homo sapiens

<400> 703
aactgaggaa cccttgggtg cccagctgct gtccattctc tacacttatc ccacctgatg 60
gaaggctgtt aagaaaaaca tcactgcaat gcctaataaa cagacatggg tcccagaccc 120
aataagagtg aaaccatccc cctatttaaa tgaaattatg gctgatgaga aagacaaatt 180
aatttctctg tccctagtat tacacaaaac tttggatgct gccattgtta caattttatt 240
ttccccagga gctcagagtc ccaccttcat tctttttgtt taatgcttaa gcttgcctgt 300
ccacctatgg aagactagaa tgagcaaaga ccatgtattc aatgatctgt aaatctaaca 360
ggaaacaat 369

<210> 704
<211> 153
<212> DNA
<213> Homo sapiens

<400> 704
gtgtgatgga tggagcattg gagcaaccac aagggaaaat aatacagaca tgaagaaaac 60
agtaaagatg ctgtccctga catcattgag cagtcagcaa ctgcccacta ccaaacttat 120
tgtcatgtga aaaataaaaa cctccaattc ttt 153

<210> 705
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> n = A,T,C or G

<400> 705
atccaggagg taancaatca actaagagcc aggcaccttt ttaagtccag taagaagaaa 60
catttttaca acctgctgtc tctgaagtct gctatctgag attcctctcc acaataaaac 120
ttggtctcca c 131

<210> 706
<211> 323
<212> DNA
<213> Homo sapiens

<400> 706
atcatccaca aactacaagt aacatgtagt tacaacatgg ggctcagaat gtaccaagat 60
catcctatgt ctacagaaag gagtaaaaca caaagactaa acagagttac ctatttcttg 120
ttagcctgag aaaaattctt ttcagatgtc tttcattacc tcagaaatgg aggcaaatgc 180
tttaagaagg gtcatataat actttgaaag gctattgcca tggtgtggtt attaagctct 240
tgggaaatga tgggcttctc ttcaagtata aggaacaatt gtgccccta agagtcatct 300
tgaattggaa tgaaataaac tgg 323

<210> 707
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 707
gacctgcatt aaggtcgact gagtttaaga ttccccagat gccttggata atttgttttg 60
gaaaacatat attgaagata ccnagagcca cagtatgaca gaagactagg tcccagaatc 120
acaactggaa ggaaagtcat gcactaatga agaaaacaat tcttaaggct tatatgagct 180
gaaaacaaac ttctgtcatg ttgctgcctt tatccatttt taaaagatgt ttgtcatcag 240
tggtgctact ctaataaaat acatcatgag cac 273

<210> 708
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 708
gcctgacaaa ataagtggct gtgctcggaa agcccaagtg acaatgaagt ccaggtaacc 60
tctaggaatt gcaggttccc tcttggagct gaggacagtc tccagtctcc agccagcaag 120
aagccagggc cctcggtcct actgctgcaa ggaaaggaat tttgcctgtg cccggagtca 180
gagtggaagc cagttcttct ccagtgaatg tgaacgcagc ctggccagct ccttgatggc 240
aggcgtgaga ccctaagtgg gggactgagt gtacctggac acctgatcca taaaaactgt 300
gagaaaaatc tgtcttgntt taaagncncn tccnttgggg gcaatttgca gcattaaata 360
attaagtaca agtacatgtc acccaaggtc 390

<210> 709
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 709
aagtctcaac aattaaaaga aaattagaag ccaagtgcag tggctcacac ctgtaattcc 60
agaactttgg gaggccaagg tcctgcatac cactgaaact actgatgtca gctttctgaa 120
ggaccccact gagaagactc actaaagaaa gcagtttcca tgtcctgatg attttgtctc 180
ccttaccctg accaatcaat ggccctaatt tttggtcatt ccattttctt gccctccatg 240
ataccttaa agaccctgcc cagacctcgt tggggaaatg gatttgaggg tctcccccca 300
cctctttgct gggaagctta tgatcattaa actatttctc tgntgcnnnn nnnnnnnnnn 360
nnnnnnaaaa ggggcggggg ggccanttnn gttngnnttn aancgggngn nttttttttaa 420
aagggggggg 430

<210> 710
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 710
gccataaggt tcttaagagc agagaatatt gtttctgtaa tgattctcgg caaaagcact 60
cagttacagg attcatacca catgatagat tctaaatctt gggaacagaa tcaagaatcc 120
agaaatggat ggaaccacac gtatatgaac aactgatttt caacaaagat aaaaaggaaa 180
agctcaccta tgaaagagtg cttctctcca gccagacaat aggagtaggg aagagaccga 240
tgctgaatga ctcacgaaaa tactgcagga aatgacagga ccgtccccag aagtcccttc 300
cactggcttt tgccgggctg nttcattaaa anctggcagn aaggatgaat cncaagaaaa 360
aggcttattg taacctcaca tcataaattt tataaaactg cttcataaaa aataaccttg 420
gggtccagga actccactag aaaaatgtnc aacctgtctt caaattgggg aac 473

<210> 711
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 711
ttcctggaat agcacctgat acacaaaagg catccagcca atgtttgctg aacaaagaaa 60
tgaaggctgc ctgcatttac taggagaagg atgacaacca catgggacaa aaaaagaagt 120
ttttttggtg nanccnagnc cgggggggtcc gnantngggg ggtnttnggc ntannnnnnt 180
taaaaaatga anccgcggac tntcgcggna ctgcnctgng cagggnaaaa aacagtcntt 240
ccgganccnc ccanccnggg gttggaaacg tgctccgtta cattccaact agatggggtt 300
tctctctgtt gtccaggctg gagngcaatg atttgaaaat tggnnncctt taactcttga 360
gctcaagcaa tcctcctgcc tcagcctcct gagtattntg anagtatagg tgtgtgccac 420
cacatccggc tccacttttt gttttggaag attcccctca acat 464

<210> 712
<211> 316
<212> DNA
<213> Homo sapiens

<400> 712
atgagcataa atgagagtta atgcatctaa aactgaacac aaacacctgg gggaggaact 60
gtgaaggacc ctaacaccac caccaccctc accacccctg ttgtcccgca tatccacagc 120
caccatggtt gccttggcca gcagaagccc aaaactgagg gcccttgtga aaccagctgt 180
tggaatatat aataaaggag aagttcattg gatgctaact caaacaggac caatgaaata 240
gcaacatgtt ttcactatcg ggtacgtgtc ttggtagact cacggtaaat gtttaataaa 300
tatttgatga aagaat 316

<210> 713
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 713
agactctggg gagctcctgc attaagtcat gaactgagaa atgaagactg gagaagcaat 60
gggacacaca ggcaatgggg ctaggcattg gttgtcccca ttcattcatg cagcaaatgg 120
ccattgcgtc cccttcctgt gctaaacctg tgcaggtgct gccggacttc ctggacataa 180
gaccctgtcc gggcactcac caccatcatg cttgaggccc tgccctggtg tcagtctttc 240
cacgatgctg actggcagtg tgtcgggaca gtccccaggc aggcctcccg gatacctgtc 300
tagattatct ctgtggtgga tgtagccttt gccccagcat tcaccagtga caagaaaaaa 360
aagnactttt anttnttcca aggctntacc tgggtggtgg nggatgctgc tgtcactaga 420
aggctactgt aaataaagcc tgcttaatct ccttaacccg gatggcttgt gtcaaccggg 480
ttggagccgc caggaaacag cccatgcttt aaa 513

<210> 714
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 714
agacgtctgg ggagcacctg cattaatgtc gaanctgagc atccntcnca actgngatct 60
gtgatttggg cacggcttgg tggaggcagc tcatttctgc ttcacgtggc atcagctgag 120
gtggcttgcc cagaggttgc agaactcgcg tccaggacag ctcactcatg tggctggcaa 180

gttgatgcgg tctgtcagct gggagctcag cagggtattt ggctgggggt cttggttctc 240
ctccacatgg gcttttccac gggttgcttg tgcttcctca tggcatggtg gctaagtccc 300
aacagtaaac gtcccaaaag aac 323

<210> 715
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 715
gaagtcaact gccatttttc gtgagctgtn aagctgacct atggaagagg gtcccacatg 60
ggcagggaac tggatgtctt ttgccnacag ccnagaaang gatggatcct ttttactacc 120
ccaagaaatg gagttgggag cagaatcttc cccaagctga gcctttcaga tgagaccaca 180
gaccatgcct ggcaccttgg attggcagcc ttcttgagaa gacccttaaa gccagaagac 240
atccaactac acccattgcc tcaagttgct tgaccccaca agatacccat gaagataata 300
aatgttgtct taagctactg 320

<210> 716
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> n = A,T,C or G

<400> 716
gctcactttc aaaaccgggg gnggtcagcc catttggtca ctggatgaag caggatgcag 60
gctgaatgga gaggtggtgg agttcgcagt ctgtcccagg cactccctca cccagctatc 120
tgccaataca ccactttgat ttatctattg taaagctttt taaaagtgtc ccttaaagta 180
gcttaaggac aaatgtgaat aaagcttcac agcaagtgga gatgcagcct gaagaggcac 240
gtcataagct c 251

<210> 717
<211> 93
<212> DNA
<213> Homo sapiens

<400> 717
atctcccata aattcccaac atcaactatt taaccgtatc atctcatggt taaaaaaaga 60
aaaaagaaga agatgatgat gaaagaaaag aag 93

<210> 718
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

<400> 718
tagtgtcata agaacggact cggttcttcc tgcgtgacca cggatgcttc tgtttgagaa 60
nangcatccc acggtgggac gtttanatca agaaagctnn tgannaagac atttgtnaaa 120
gggcaacctt gggtgantgg gggaaattat ttctttttna tcaacccctt ctgcaataca 180
agctggaacc tggcnccata ggaagtttcg ggacaattac gggaccatcc tttttccttt 240

tctcttcttt ctttttttt ttggtnggat tggttttgga nacaaaagtc ttttgtttnc 300
ccaaggctgg gagtgcagnt ggcgcaaatc cccgggntta ctgnaaacct nccgccttcc 360
ttggtttaaa ggggaatttt tcctggctta aancctnnct gaagataact tgggaanttt 420
nanagggnng gngggaaaan ccaaaaaaac cnngggnaaa attttttttg 470

<210> 719
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 719
gggagtaaac aacaccctcc cagaagatga tacaggccaa atcccgcaac gagagggctg 60
ggtcggaaca cacacaggcg cacctnccan aggcccccga cacttcattt aaggnaagaa 120
cggagcatcc cacgaacggg aacaagnttg ggaacctggg atttggcttc ggtgacaccc 180
taagcaaccg gggtgaagaa cgcttaagct ggggaatccc gctggccttc tgntcatcaa 240
agcctgtctt ttcaccggcc aaccttncca acccctaagc aacccccccgc ttcccaggaa 300
aaataaagtg ccacccacgt cgcttcaata gcaccggccc aaaaaactcc cactttagtt 360
cctggaaaaa ttaagtcccc ggcangggggg ccttttttttt tttttaaagg gtttttc 417

<210> 720
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

<400> 720
gtctttggac ttagtctaga actatactac tggctctcct ggggtctcca gcttgcctac 60
tgcagataac gggacttctc anactccatt agtgcatgag acaattcctt aaaataaatc 120
tgngtgnatg ttattgnatc aataaaatat atatgtatcc t 161

<210> 721
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 721
gaggcaggtc tagaggcctg ggagacatgc tggacaattc cgaaaccaat tctggttaca 60
gaaggcgaca tgtctttcat gtgggccatt caatgagaat gtgggggacc cctggcagag 120
atcaggaggc cccaaagagg agatgacaga gcagagccca agagaagcat ccagaggaaa 180
cgtttcggat gactcctccc ttctccggcc agccacttct gaaggagggt agcgcagggg 240
cacagggtga gggctgacct gcctgtgagc cccggccctg ctactcactg gctaccgtta 300
cctggacaga tcaccacttc gctgagcctg agtcctcatt tggaaaacag gggaaaaaat 360
acttattttt taaaaanaca tggntngggc attaaaatna attnttgcca nattctntan 420
ctntgtgaaa gtcagcntat ggaaggcnct ggagagntta acaataaaaa aataccttgg 480
ccttt 485

<210> 722
<211> 290
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 722
ngatgcctcc aagttgttgg aaggaaagta tcngancatn tacnagggaa aagggccaca 60
ttgttgggca ttncaagcca caanccctna agcttgaggg tcaagaagct nacaagccag 120
catttaacca ctaaccccac caaggtggaa aggggaagac tttcgaaagc cttcaaaact 180
tgccccaagc ttaaatggcc aaggtgggga agcagaagat gaagttgtcc cttgcttgaa 240
aatttgcaag actcatgaag ccaaaaataa aatgtaagtt tgttttaagg 290

<210> 723
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 723
tttctgcnct ccctccaccc tcggngctct gccgnctnca cccctncttt nattaaagcc 60
ctgncctgnn tggnncaagg ncaggtgggc acccttttnac cccgagaaag aatntttnaa 120
tgggcaaagg ggnatttttn nnccaccccc cttngaccna ggaaaccccn aaaatgggcc 180
ccaaaaacca gcaaccnagc ctttacaggg agacttttca agaggaggag gaattttggc 240
cccaaaataa aaccacttgg tggggaggta ttttgggatc cccgaagaca aaagaaaacc 300
ctttgcacaa agatccctca ccttgcaaag gacaccattt cgctaaagcc catcgggagg 360
gggcaagtcc cagggcccgg gaaaaaagca aattttggac ctttctcctt gggccggaaa 420
caccaaaaag ccaaaagttc ccnggggaaa aaagnaangt tttaaggngn ttaaaagagg 480
catttttnt tnggactttn ccacggangg ggaaaaatac ttttccaaag cccaaattnc 540
cggggcccgg gcaccaagga attttttttg gntanggggt ctttcaaggg gaagcctntt 600
ggggcccaga aanccaaaaa aggtttggc 629

<210> 724
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

<400> 724
agaactgagg ttgtactggt cagtggacca tngtggaccg ctgggatntt gggcaggggt 60
gccntgggat gangggcggg tgggaccttt tatatnatgg ggaaagcact ctcacttatt 120
aaagatcttg gnaaatattt aaaaaattg 149

<210> 725
<211> 113
<212> DNA
<213> Homo sapiens

<400> 725
tgttcctacc tggctcaagg aaccctgctt ctctaaaggg ggagcgctgc acccggattt 60
tggtctttta cgttgggcct cagctcactg tcagaataat ctttctaaaa cac 113

<210> 726
<211> 366

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 726
cccagaccgg tgggaacccc cntagtcctg cttatttngg cntgaggaga ggtaggctnn 60
cgancttnnc nnnaaaaaat gggtttttc tnacattggg aaantctgac nccttctnag 120
aaaataaagt ggcttgtgtt gnccaaaccc ctttaaccca agggaaaaag tccncgaagg 180
ancctctttg ngnactccta aagccttatt ggaccagggt accttncttc nccccaaggg 240
agaanccttg tcttgttcca ataagtggaa gacaaggtgg gaagaaattt ttttggcgcc 300
ctaccntttt tttcccattt tcaaaaaaag aaggctgggc catttgntta ccnttcttgt 360
ggatcg 366

<210> 727
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 727
gagaggtagg cttgngaggc ttgctaatct ttgaagaatg agacgaagtt ccctcccaaa 60
attactactc ccccactctg gaagatgctc acaaagccac cagtctcaag aactatattc 120
atcacccttt ggatgggttt tttttttaa ataaaaaact aaaaacc 167

<210> 728
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G

<400> 728
gattcttaaa gcgcaaaaag ccccaatcat ttctttgaga acaaggacgc agatcttaca 60
tcacgaacac tnngnactnn ttcatgggtg cagtaagaag atggaatcat gaaccaggaa 120
gtgggtcttc aacagaccca cctctgccca caccttgatc ttggacttcc taagcctcca 180
ttaacncnga gaaataagcg tgttttttaa acc 213

<210> 729
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 729
aactgagaca tcctgcacnn aagcttggcc ccttattaca gagctngaat gcncaccgga 60
aaaggagtcc agtaaaaggn nngagcagct tcagggccca tggctacccc catgcaaagg 120
aggtgaggcc acagaaccga actggggtct gttcgcctgg cacagcaaaa gtcaaacact 180
aacattagga tggcagcgag aggaagtgaa gcatttattt gcaagcacca agcaaacaga 240

gttggacagt tgatgcctaa gatcccacct gcccggtggc ttgcagaatt tcaggatagt 300
ccagggatca ccgaaagaga tcaccaaact ttctctatga agaaccaaat actaccaacc 360
ttccgtnttt gccggccncg nggcttttga acttaactgg ntaacttttc attaacgnga 420
aagtagccnc ggnccatatg ccaaaaaaaa t 451

<210> 730
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 730
ggacctgtgc cccnattctg aggttttttg gtgntcagng gngngggcta tcgcctttaa 60
aataacctgg gcctgggcag caacatggng nantgaaaaa aaagcaggct ttggaatgga 120
taaaactata cttgaatctc tgctctatca ccttatcatg ttatggcaag ccagntacgg 180
aacctccatc atttgncagt gcctaactca gcttctcgcc tgctggncan gctctggaaa 240
gctgagtgaa aacagaaagc agccagaaag ngctgtgggg acaacttgca ataagtgtca 300
catgggcctn ctcctctttt tatgtgcccc atgtccancc tttttccttg gtggccnctt 360
tccanaaaac ttttggaaac cattgggcca aagttacctg gaaattttcc cttgggcctt 420
tnaacctttt gaccattttg gtaaaaggta ngaanatgga tnaaaagcct tttaagggnc 480
caaagggcag gnggggggctt caancccctt gggcttgggg gtaaatgggg aaatcaattt 540
tg 542

<210> 731
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 731
tnacttccag aaaagagtga ccatttggca ttgtccaacc attaagatgt gaagactgtt 60
ttggagttcc tggtacagtc aatgttgctt ccctgtcctc ttgcttccaa tgcttggagc 120
cacaacagcc atatgcaaac atgagtgaca ggccaaaaat taatcataga gacatctgtc 180
ctgataccac cacgccagtg aatcaatacc agcaacactg caactctgct tattatgaag 240
gaaaaataaa gctctgtttt ataaagc 267

<210> 732
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 732
gggaaaaaac cttgggaagg gccctttccg gcccgggggg tttttgggaa ggggggnaac 60
caaaaaaaac cttttccttt ttttttnggc cngggggggg ccctttttt tttttcccaa 120
ggntnggggg gggggggggaa aattnccggc naacccccng gggntaaant tcnncggaaa 180
aattaaaaaa nanccccttt ttttttttggt aaattggnaa aaagaccccc cgggnnnccc 240
aacccccccca aanttggngg ggggnaaata ccnggggggc cccccaantt ttttggggna 300
aacccaaaaa agggnaaatt gggggggaaaa tttttnggggc gaacccggcc caaaaggggg 360
ttnttccttt ttnccagggg ccaccggccc tttttggngg ggttgggggg anagnaaagg 420
gggccttaat ttttccccgg gccttanttg gaaacttggg gggnaacaaa ccaaanaaca 480

aaatnccggc nttgcttctt tgatggcncc gncctgtttt ccgggcttgt canncgcaag 540
ggccgccccg gctctttttn ttaaaannga cctgtccggt gcctgaatga actgcaggac 600
gaggcagcgc ggtatnntgn tngcccacag cgtctgccac tgtctcgacg tgtactgaca 660
ggaagggctg gctnttttgg tnaaagcggg caggctctgc atntaacttg tttgcgnnaa 720
gatcatatgg tgangaanac gggggtggat acctt 755

<210> 733
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 733
gggagtaaac accctccaaa gatgatcanc caaatccgca gcgagaggnt ggggtcggaa 60
cacacacagg cgcacctccc agaggccccc gacactncat naaggnaaga tcgnagcatc 120
ccacgacggg aacaagnttg ggaacttggc atttgcctcg ctgcacctag cagccgggtg 180
aagacgctta nctggggatc cgctgctctg tcatcaagcc tgctttcacc gccacctcca 240
acccctagca acccccgctc ccaggaaaaa taaagtgcca cccacgtcgc tnaatagcac 300
cgtccaaaaa ctccacttta nttctgaaaa attaagcacc gaaggagcct ttttcttttt 360
gaagggt 367

<210> 734
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = A,T,C or G

<400> 734
ctcccgatgg acccgagatt cagggatctt tcccgggtaa acggtggggg cnggcngaaa 60
gaaatgcnat agagctaatt taagntctag atcatgatag cctgggatat gggtatgaac 120
tgntattggt cgggatttcc tggaccatca tatggnaatg acagnttgnt atgtaatgga 180
gatgactgcc cagacctatg taaaaattta agtttctact aaaaatattc ttcttgaagc 240
ttatgagact attttcaagg aaataacttc ctaaagaaat aggcccctgg tgaaacacca 300
gggaataaag gaaataaatt gagaaaaatc cnccaggctt atttttattg ntnccnttnc 360
ccgggggttn aaaggaattt ttaattaaaa nggttcacan aaaagccctt ttcatttatt 420
ttaaaagatt ggacatattt tgnccttta cttatagcta gagcacncat actgggaaag 480
gtta 484

<210> 735
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G

<400> 735
cgacctgcat taagtagcac tgagagctga gatccaccct gcattcagtc tgaagtgaca 60
gaagcaagag actctgtctn caagaaaaaa gaaagaaaag gggtatttaa gctccagtca 120
tctggccctt tcttccatct catattttgg gnggcttctg tcacataata aatatgnatt 180
cattttctcc tg 192

<210> 736

<211> 271
<212> DNA
<213> Homo sapiens

<400> 736
atcccagaag ccttgaaaac aaagagccca caattgcagt aaaaagcagc agcccggcag 60
ccaccagaga gggcagagtc ccgcaacctc ccaccacttt gaaggagctg gagctccttc 120
aaagcctcat tcaaaagaaa ttgtcattat tttacctatc tggtgtttcc cgggaaccct 180
acttgcaagg ctggctttat gtgattaaag ttcatcagtg taaaaaaacc ttttccctag 240
tatgtttgtc aaaaacaatt aaaggtaatt g 271

<210> 737
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 737
gactgaggtg ccgtgtnttg gagtagtgtg tcctgtacct gtcaccttta acaaacaatt 60
attgagcacc tactgggtgc cagatactcc accaggctct gagaggacag aaatgcataa 120
gacacaattc ctgctctcaa ggaggccttt caaaaagaag agagtagaaa aaattcacac 180
atttccccca ttccaaaatg acatctgaag 210

<210> 738
<211> 389
<212> DNA
<213> Homo sapiens

<400> 738
agcctgcatt aagcaaactg aggagttcgc gccctctgtt ggtgttgtaa tcaccgccta 60
tgtggagatc ctacatctct gggtcctgtc agtgtttgtc accagcctct gacgtgcatt 120
tataatcatc tgctggacat ttctacctgg gaaatttgaa ttcttggtat tttgcataat 180
gtgttccaag tagagctaat tgtaagtcct tccaaagaga atgctcatca tctttttttt 240
gtttactcaa aaagtcccac catacaataa gctcttcaag aaagatttgt acttatgacc 300
ctgaatgggt tagtgtgttt atgctttgtt tagaggcatt gaattttgtg cattcaaaat 360
acctgaaata ataccatcct ggaccggtt 389

<210> 739
<211> 214
<212> DNA
<213> Homo sapiens

<400> 739
agaactgaga ggatggaata aaaaccgcaa ctcacaactt ttcaagaggc caccagtcat 60
tagacactgg catccgttag aactgctgca agcttaaatc aaacagtcac ctggaaggaa 120
caggtctctg gagactcccc tctagctctg agatctgtat ttcacagtta tttgaggcac 180
tgttaaaagc agagaataaa atagttgaaa attc 214

<210> 740
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 740

aagagaaact tcatcagcgt gtgtcccgga gtgaggacgt ttggagcagg agcactcact 60
gccacctgtg atgggcatga agctagcatc catgaccaga gttttgtgct gttgcaccat 120
tacaaaatga gcacaggagg gtggacggga gctctctgna cccttcactt aattttgctg 180
nggaacctaa aactgtttta aaaataaagt caattg 216

<210> 741
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

<400> 741
caagagaaac caaggnngaa gagaccaaga aagaaatgag aaagagatga aagggtgaag 60
ngacagaacc ttctgagctc tcctttcctg ctaaatccca ggcacatgct ccagattcct 120
taggcaaagg aagaaatgaa aggagagaaa gagaccaaaa ttttaaactc tattaaaaag 180
gactgcctga tatttatacc caaaagaacc aatgatgcca tgggatctaa ctaagatatt 240
aacagatatg aaaagagatt caacagagta gaggagcttc agatatatac ctgtcgtggg 300
ttggctctgn gcttccccca aatctcatgt caaaatggaa tncccacccc ttgaaggang 360
ggcctggggg gaggngattg aatacgggan cnacttgncc ttgcttttnt agcgatggag 420
ttctnagaaa nctggttgnt tgaaagngcg nggacttccc ctttctggct ttt 473

<210> 742
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 742
ctcgcggttg aggacaaact tttcgcgggc ntttcangtg gggggaatcg aacgggaatc 60
cgaataaaag cttttggaat ggaagcccgg ccacccattg gggaatccgg gcccatttgg 120
aaccaaagaa tgggaatttg gcaacgccaa gggtttcttc ccgggcccgc tttggggggt 180
tggggaagaa gggcttattt ccgggcttat ttgaacttgg ggccaccaac caaagaacaa 240
aatccgggct tggcttcttg gaatgcccgg cccgtgttcc cgggctggtc aagccgccaa 300
gggggggccgc cccgggttct tttttggtca aaagaacccg aacccttggt cccgggttgc 360
cccttggaaa tggaaacttg caagggacga aggccaagcc gccgggctta ttccgtnggg 420
cttggcccaa cgaacggggc cggttccctt tgcgccaagc nttgttgcnt cggaacggtt 480
tgtcacttga aancccgggg aaanggggaa cttggcnttg cnttttttggg gcccaaaaan 540
gggcccnggg ggcaaaggna atcttnccct ggncnaattt ttaaaccctt tgggtttccc 600
ttggcccgga ngaaaaaagg naattcccaa ttccaattgg ggnttgaaag gccaaaatgg 660
gcnggggggg ggnttgggaa ttaccncccct ttggaattcc cnggggttta accctgggcc 720
cccattttcg naacccaacc ccaaagccgn aaaaaacaat ttgg 764

<210> 743
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

<400> 743
agaactgagc attttccaga ntattcaang cttcangatg ggcctgggat ctcactnacc 60
gtttgcccat acttgncgct ctattggccc acaagactcc aaaagacagt gatgataaag 120

gaagactagg agtgaaatct aatctctgta acattcctag atatcaggaa ggtcagaaag 180
cagaagttct aggagcctgg acatttgcca ccaatgcctc tatgtagcaa tcctccttga 240
taaatgccca taaacagaaa tcaggagata atgggttcac ggaaatgaga gactagactg 300
cattttgctt ccagcccaag cctaacaaag gcagggaaaa aaggcttcat ttaaatgaga 360
aacagagtcc tggaatcaaa aagctcttta ataacataac actaaattta agtcagaagt 420
gggtaatttt acttttgcat aatgattgga ctcatagaca tatctagtag aaggttgaat 480
aatttgaggt tatacctggg atgagtaaaa ggtttaaagg atcagatcaa aaaaacaaaa 540
gttcaaatta aaaagagaag gttgtgactg c 571

<210> 744
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 744
aaccttgaga aacatgcctg ggactaccgt gcctnggagg gaggggccag acaccatggg 60
gagccataac ccgaggtccc ccaccccggt cattnccanc aanaaaaccg ggtccttgga 120
ccaanccacc acccagccaa gcttnccaag ggcacatgaa ggggaagtcc cgcccaaaga 180
tcaagcaagc ccgggcaaag cttgacccac aagcccaact tgcaagacgc catgaagcaa 240
agcctttaaa gcaagcttga aaatccacca aagatcaaac ttggaaagtc tccaagttct 300
tggggtgcca agtatttctt tgtttgtatg cccaanaaag tattgggggg ctcttttgtt 360
aatttggatt aaattaaata aatcattggg gttaat 396

<210> 745
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 745
ggagtatgcc tttgatcttc tgaaacaacg cagaaacgga cccggtctcg catgctgagt 60
tagaagaact ggctttgtca acatcttcct gattcgattt cacggcagat gttgttcttg 120
gaaccctgtg tgaagcattt ttagnatgag ttgtaacatg cacagcctgg ctagtaatga 180
gtttattaaa ctgctgctta tgtgtcttgt t 211

<210> 746
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 746
ggctacctgc acgagtngac ttgagggatg cttctcatgg atgcngtagg gnctttcct 60
caaccntatc ccactnaatt aatggcncgc tgatcacaag tgtnatgaat agaaagccna 120
ggnaacatct taactttgca tgaattttat tttggctaac gaaggctctg cagaatcatg 180
aagcaaatga gaaagatgat agagctcctt ggcggngaag cagatatatt gagaagatga 240
gaataaagac aaccgttgaa aacagtccag gaaaataaaa agcctggaca aataggatag 300
tttgctgctg ccttattact ctgccattgc ttcatgataa tcagttcttc atggcttctt 360
catgcctcta atcaacagac ttacttgtgg acatacaaaa ccaagaatct agtccagtaa 420
atttgagggg cttcttggta cctcaccaca actaccttct gttaattaat gngcaaatct 480

ttgaagaaat tatttgaaac cttgtaaaag gtatgattgg gaaaaat 527

<210> 747
<211> 198
<212> DNA
<213> Homo sapiens

<400> 747
gagaggcaca acaacgattc tatgccaggg gaaagccgct gggcctgctc cgccctccaa 60
ttaacccatt ttatctgaga ggctggaaag gaagaaggta caaggccagg ggctcagcta 120
tgaaaacatg ttctgaatgg gataaaaaca gcagtgggaa gcctctgtct tatataaata 180
aatagtagat gttaaagt 198

<210> 748
<211> 909
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(909)
<223> n = A,T,C or G

<400> 748
gtagaactna acntngcggt tgaggacaaa actcttcgcg ggnctttttcc aagtgggggg 60
aatcgaacgg gtattcnnaa taaagctttt gatggaancc ccccccccatg nggaatcggg 120
gcatttgaaa caaagaaagg gaattgncac cgccaanggt ttctttccgg gcccgctttg 180
gggtgggaag aagggcttat ttcggctatt tgacttgggg caccaaacaa gaacaaaatc 240
ggcttgcttc ttgaatgccc gccccgtgtt tcccgggctt gtcaaccgnc aaaggggccg 300
cccggtttct tttttttttca aagaaaacga accttgtccc ggggtgccct tgaaatgaaa 360
cttgcaaggg acgaagggca agccgccggg ctatcgttgg ggttggccac agacggggcc 420
gtttccttgc gcaactgtgc tcgaaccgtt gtcacttgaa gccggggaag gggactgggc 480
ttgctattgg gggccgaaaa tggccggggc aangatctnc tgtcaatctc acctttgctc 540
ctgcccgaga aaagnaccca tcatgggctt gatggcaaat agcggcgggc ttgcaatacg 600
cttggatccc ggcttacctt ggcccattcg aaccacccna agccgaaaac aatnggnatt 660
ngaagccgga ccaccgttac cttcgggaat ggnaaccccg gtctttgtcc aaattcagga 720
atgatttctg ggaacnaaaa aaaacaaatt aanggggget ttgcgccaag ccccnaaaat 780
tggnttngnc canggcttta aanggggccc gccaatgncc cccnanangg gcgaagggaa 840
tttttcgtcg tggaacccca ttnggcgaan ngncccngnc nnttttttcca anaattaaat 900
ggggggggga 909

<210> 749
<211> 342
<212> DNA
<213> Homo sapiens

<400> 749
aggactgggt ggaggctatg tccgcctccc ctggaagccc tcaaggaccc acagaagtct 60
cgagcctgcc agtgtgcagc gggggacaca gatccgccct ctgcaccggg agcatcatgt 120
gaagtctaag aaagccctgc aggaccagcc gtctcacact tgtcgtggaa aatcccatca 180
gcacacctct gactcccacg tgggaatcac caggccatca ccatcaaacc gccctcccgc 240
aggcaaaaac ggcaaacgca gccctcccat gctcaaggga ggtctcatcg ctctgccata 300
gtcctcacaa atctccaaat acaaccaaga tgtgtctccc cc 342

<210> 750
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 750
gaactgagag acaggatctt gctttgtcac ccanggtgga gtgcggcagc acaatcatag 60
ctcactgnaa ccncgaactt ctaggcttaa gtgatccttt tgacttaacc tccagaacag 120
gnttttaagt catgtgcaaa gaacttactt ctccatactg gaagtagaag tttctcaaaa 180
atttaaaagc aaataaactt atacgtaatt tacttc 216

<210> 751
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(875)
<223> n = A,T,C or G

<400> 751
ctcgcggttg agggacaaaa ctctttcgcn ggcttttcaa gtgggggga tcgacgggta 60
ttcgaataag cttttgatga aacccgcccc ccattnggga atcgggncca tttgaacaaa 120
naatgggaat ttggcacccc aggtttctnc cggcccgctt tggggttggg aagaaggcta 180
ttcggctatt gacttggggg cacaaacaag acaaatcggg cttgctcttg atgcccgccc 240
gtgttccggg cttgtcaacc gcaanggggg ccgccccggg ttctttttg tcaaagaccc 300
gaccttgtcc cggtgccctt gaatgaaact tgcaagggac gaaggcaagc cgccgggcta 360
ttcgtgggct tggccacnga cggggccgtt cctttgccgc caagcttgtg ctccgacgtt 420
tgtcacttga aagccgggga aaggggactt gggcttgcta tttggggccg aaaagtgccc 480
ggggggcaag gatctccttg tcatctcacc tttgctcctt gcccgaagaa aagtaatncc 540
atcatgggct tgaatgccaa ttgcgggcgg gcttgcataa ccccttgaa tnccggctta 600
nccttggccc attcgaacca cccaagccga aaacaatttg catttngagc cgaagcaccg 660
ttacttntgg atgggaagcc cggtcnttgg tccaancaag gaatgaatct tgggaccaaa 720
aaancaatna agggggcttt tgcggcccaa ccccnaaatt gtttcgncca nggcttcaaa 780
ggggccgcca ttgcccccaa cgggngaaag gaaatnttcg tcntggaanc ccaattgggg 840
gaaagnccnc nnnnctttnc caaaaattaa atggg 875

<210> 752
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 752
tctattngcn tntgcaaaca tgggatttca aaccngcttg gggggccttt cttggactgg 60
gttcaaaccc cnaaaaagcc aagggnnggg gaatnaccan tnttnaccna agctgggttg 120
ggcattttcc caaatttctt gggaaagaac cccnaagaac caaaaatttc cgnggagaac 180
cttnattgaa cccananccc nttnggaaat aaccggggcc tttcgggggg cccttgaagc 240
ttgggaagaa gtttgatggg caaaggtctt caagtcaaag ggcacttcaa gcttcaaaaa 300
taccaccacc acctggtttg ccattattaa gaagcttggg aaattaaggc aaaatatggg 360
accagggaaa tcttgaaatt tcttgtgttt gggaaatttg atgaagggtc aaaaagtcaa 420
accaaaattt cttgaaagac gcttgtcagg aagggtaaga aaagaaaagg tatcaagcac 480
acttgatcaa gccagcctaa cttgaaagat gatgtattgg aaaggggaag ttgggagttt 540
gtttgaaaac ccaagggngt ccatgatccc tccccacttg gacctttttt taaanaaaaa 600
ttcttgnggc cccgccattg gtatttaaaa atcctcgcca ttcaagtcnt tccttgcaaa 660
aaaaaaaggg cccnnnggggg ggccnattng ggggttgggg ggttaaccag gngtgggnnt 720
tnttttaaaa aagggggggg gggggg 746

<210> 753
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G

<400> 753
gctacctgca agaagtcaga acttgagctc aagaaggaaa atcaactggg tggaccccgg 60
ggccttnccc cacacttnnn ccnaaagaaa attggccccc ncccctttgg gaaagcgcca 120
aaccnatggg ggcctttcat tcttttattg ccaccaagac attagggntt caactttccc 180
gcttggcctt naccnttaag aatcattaag aatgccctaa naatgggagg ggcgaatgga 240
ccattaaaag ctagctcttc cttttcctcg gtgggncttg gngggaaagt gacctttttg 300
aaagtaaacc cagcaaagta agcattcatc ccaaccaaaa gtggggatt 349

<210> 754
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 754
atctttcagc cttgtgtgtc atctgcaaat ctgaaccaag aaacaggcat tctctttaga 60
agaaaaatgt ataggaagcc tgctcagagg aagngaggtg ctccagatga cctctggaag 120
tccctgccag gcttatgttt tgaattttct gtaacatttt attatgtaaa acagacncat 180
tagctatgtt tactcaggca catggaagaa gattgagaca attacctaaa aattcactgt 240
gacttttcag taaatgttat taaagaaaaa gtggg 275

<210> 755
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 755
atggagtctc gctctgttgg cccagggctg ggaagtccag tgggcacgaa tctttgggct 60
tcggttgnaa cctttcaact ttccggggtt tcaaaggcga atttttcttg gctttaagcc 120
ctcccgaagt ggggccgggg aactacagaa agaacaaggc ttgaaatggg tttccaagtc 180
ttttcaagtc ctggctcctt gggccaaaca acttgggacc tcttcaaaaa gtctaagcca 240
aactccttct tccaagccgc ctttgataaa acaaaccccc tcatgcttgg gaaaccacaa 300
gcaagtgggg gcttgttttt ctccctcatg caccccaagg gaaagcctct cctcttttgc 360
cttggggctt tctttcccaa gggccttaag cttgccaaac ccattttaca cccattgccg 420
aaagcccaag tcaagtcacc ttgaaagaaa aagggaagac tcacaagaaa gggcccaaag 480
atgaaaaaga ctctttaaat ccttgggggg ctttttgaag tttttggttt ttaagcaagg 540
gaaagacctt atttttaaaa aacaaaattg gttacacaag aaaattttgc caagtttacc 600
aggaacaaga tggaaatnaa aggacattta tnggncnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnngnaa ngggggggggg gggggggggg nttttttttt tgngggtttt 720
taaaaanggg ggggtttntt ttttttnaaa aagggggggg gggggggg 768

<210> 756
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(612)

<223> n = A,T,C or G

<400> 756
ttctttgact gccactttng cagggncctc aatcacttcc tttgggcctc ctggtatggg 60
gtggatgccc tccacttaag ttctggcccg atgtgctgta agcagaagta acgtgtagca 120
cttccaggaa atctctttat aagacagttg tcagatgcca gtttttttcc ccttccactg 180
cattattact gccaggttca tagccattct gaggatttca gaaggctgat ctctggagaa 240
ctgaggggtt cgaaagattg acttctcagg agcagggctg agaatggaat gggcccttaa 300
tacctgacag tttcccaagc cctgatgaca caaagccagt gtaattaatt cagaacataa 360
ggcttctgat tccattactg actcatcatc agtaagtggc agcagcagca gaaagtcact 420
taagcttctt gtgatcatgg caccgtgatg ggcatcttgc atgctcctgn ctgctgacaa 480
tggcacatat ctgcagtgac gtgggccgct ttggaaagtg agtagcntgg ggttagggnc 540
tttaaaaaat gggggtggga tgcagntttg caaangctgn gggtagaagn acccctgggt 600
gaaacaactt tc 612

<210> 757
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(139)
<223> n = A,T,C or G

<400> 757
ccgaagcaca ctgagatgcg cngnctggac nagnctatcg tggatggaaa tgggagttgg 60
tggaanagag tcactctgnt gctgctggcc gtacaagatc gctttcccca aggaaataaa 120
ttacatttca ttctctatt 139

<210> 758
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 758
acactgaggc agtgggagag ctggaggagc ctgntacaaa cctcagccca ttagcatcnc 60
ccagctctgt ctttnganaa gatgactgan aggaaggtgg tnttgagaaa acaaagcatn 120
cancctttgt gaagcnganc cttaaggtcc cctctccagn cntggntgac cccanaccct 180
cnttttcttc tctggcntcc aacttnaagg attggcctgt ttccctttaa ctatagctac 240
cactcagctn actcgctgaa naaggcanag cccacgcctc ctggcacaag nttcccttnn 300
gctacctaag gcaagcgaat gagtcttttt catngtaatg aactgtattt cccttctttt 360
ggaaaaccng gggggtaaac aaataata 388

<210> 759
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 759
ttgcacaagt tggttattnc ncaggtggac cccnttnaaa agatggnttt taaaaggaat 60
ggaccaanaa ttattttgga ttggaaaaga atggggcccn aaccaaaggn ggnttacctt 120
ggnttacccc ttcttaaaat aaaaaggttt tcattcacct taggttttca cccattgg 178

<210> 760
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(586)
<223> n = A,T,C or G

<400> 760
cngaactnga ggaancagng ttcttagttn ggaatngggg gaaagttcnt tcaccaaccc 60
agggctttat ttccccccccc ccaaggaatc tttattgctt tctttaangg gccccgggct 120
tcactttccc ngggaggaac ttgaagaatg ggcttggaaa aaatggaaag aaacaggggg 180
aaaactttgg gaccccagaa gacattactt caggagggaa aagaaacgct tgttgttgaa 240
agggcgggag ggccaagaag ggtcaagggg gggattcatc tattgaagcc accaagactt 300
gccacaagac ttgccaagcc aaccctcacc aagaagccag ggaagaagag gcaccaaggg 360
gcaagaagtc tacctcatac ccctcaagaa agggaggtca aaccgggtgc ttgatacctt 420
ggatttcttg acctttacct ttcaagaaac ttgtggaaga caaataanat ttctattgtg 480
taaggccaaa aaaaaaaagg gggcccgggg gggggccant tcagnttggg ggacttaacc 540
agggttgaaa ctttgtttaa aanggggggg gggggggggc cccccc 586

<210> 761
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

<400> 761
tgagctcctg cagnagtaga actgaactcn tcatattcca ganctcaagc tnccaccatc 60
atgcagnaag ggctctancc cnctctacga tgctacngnc aacaggatct ncaggccacn 120
gctcnggccc aggtactcac atcagtggtt ctatcaacac tcaggacaga cccatagaag 180
aggcccaagc aggccctgga agtgcatgtg gaggccacca ggcaaggaat tctggagtcc 240
cagatcatat ctgggtgtcc atcagcatgt tacttcacat ctctgtacct cagtttattc 300
atctttcaaa tggaagcaac atatagagct gccttataga gttgctctgg gtattagatg 360
tataatatat gtgaactgct tggtactggg cctggtatat ggnatgtgct caataaatga 420
nagntggtta ttattgncat ttattatcat catcatcatc atcataatta aatattattc 480
caagccacaa tgtggttctn atagncaaca attatttaat aaatgnaacc ttttccaaac 540
ttccgatctg nnaaatttna aaaaatattt tc 572

<210> 762
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 762
gcagcctgca ttaacgagnc tgagatcaag tgaaatccaa tgacatcaat aatcctgaat 60
ttcttcttca cactcactca tgaaaagtct ccgattttcc caccttgctc agccacctta 120
agtgccttcc ttcaagatat ttcctactgc ttctaaagag gatctcccat tggcttggga 180
gcagcgtgag aagagacttg tacacagaga ggctgggcaa cttgtacatg gttgcacaga 240
tgtccagagg cagtgctgag atgtgaacac aggaagactg gattcagcat ctgtgctact 300
aaccaggaca ctatgaagtc tctcatacct gtggtactag gaaaatcaga gaaaatttca 360
aggagggtgg ggcattagaa gctgactatg gaggaacccg nangagattg atttttggn 420
aaannaaagg gccnggcctt tgcnggtaaa aaaangggag tgttttctgg atgccaacac 480

atttggggcg ggcctaanat cangaataga tgggctggat cttcagnatg gacttaaggt 540
tctg 544

<210> 763
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 763
ggctacctgc attnggngac tgagatggga gaaaaatgag ttcaatcagt agactcccat 60
gacccttca aggtgaccca tcattctttt tccagaaagt ggcagcttnc ttattttggg 120
ataagcgacg acagacgaga aaccacaaag aatctgcaga cgcgagactc cctgacctgc 180
agatatacag ccatctccaa taagtctaca tttaaactaa aacttctcct gttgagcaag 240
cataatgtgg aattatgtta gcaagacctt atgcactccc acaaattttc tcccaataaa 300
aaaaactgtt atcaaaggat tgtcaccccc ccagacatac agcactgcag ggaaaaagga 360
gcccagacag ccgttgggag ttgacctctg gccgcacgcc tggggtcagt ggagatctat 420
gttgacttta tctgtgtgcc ctttaaggag gcctcttgct taaaataact aangngccnc 480
taaattacac ttacttgnaa tgctggatta atggattctt ntacaaangn tgaaanacct 540
gggcttttgg ccttcatgan cctaanttta actaccatga agcttctgaa tctctaccca 600
tttggggtna ctnccttttg gggnaaaana agaggtntat caataagcct ttttgagc 658

<210> 764
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> n = A,T,C or G

<400> 764
ggctcctgca tcggtanact gagtagtgtc tagnagncan aaagacagtc tcctgctggc 60
tttgatggaa agagcaacca ggaatgagtt ctacagctgc aaggaagtga attctgccaa 120
caaccaccag agcatggaag agaaccctga ggcttatatg aaactgcagc ccctgtcaaa 180
actgattaca gacttagaag accctgagaa gagaactaag ttctttctgc attcctgacc 240
cacaaaactc caaggcccga tagctctggg aaagcagaac ttggcctttt ccaaaaattt 300
tctgcccttg gttttgggga tcatttgggc aagcccgagg tgctgtgcat gggggctcct 360
ggaatcctga gaagggcaga aagccttggc cccagactca tcgtgcagca gctctgagca 420
gtatttcggc tgaggagtga cttcaagtga atattcagct gaggagtcct tggccacgtg 480
tcacaaccct acttnttggg ggcctggggg naaaaggcgg cntaaaaagg ttccaagggc 540
ccaacttgga aatggnctgn attgcttggg tcacaccagg cggtaattta nccttctttt 600
gagctggtaa ncgcctgnct ctgaggctgg gngagaaaaa tatcacaagg gcccaaag 658

<210> 765
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 765
gttggctttg tagaagaaat gatgtcctgg aaaattgctt tgaattgtac catctcagaa 60
gtggggaaaa aaaaaaggtt cttcatttaa naggtagccg ngagcacaca tttaacccat 120
acccggaaca acatgaagct ctgggagtca naatgccttc ggctgatatt atttatggaa 180

gcccaccana tgtttttntc aatcccanaa gccagggctg ctgaaatacc tnttcacata 240
anaatgcacc tacatcagga gcacagccaa aacctcagtg aaacatgcct ttcactgatt 300
gctttctgcg ggggtaaact cccgcaaagg acaaacccag gacagtgagc gggtgtgtnt 360
gnttgtttnt aaaaaaaccg ggggctcccg ggatttnggt tctntncctt ggaagngcnn 420
cccctgcctt ntttttaaaa agnggttaaa tgatgttaaa gacttgcctt tgactgnggg 480
ttgaaccagg tgtccatgcc atttctc 507

<210> 766
<211> 186
<212> DNA
<213> Homo sapiens

<400> 766
gtgaagaaat gagccataga gaaggacttg cccaagatca cacagcaggc agagccggga 60
catgaaacta agcattctgg ctccagagtc cacgttttta actcaacgga atactcagca 120
atggctgagt ctacgccctg tcgtcccctc ctgggtctca cagaatggaa ataaatgtct 180
caactc 186

<210> 767
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(225)
<223> n = A,T,C or G

<400> 767
atgaggccca gagaagctga ctgactcaac cagtgtcaca ctatagtcgt aaaaccagaa 60
ctatcttatg tagtcactaa tttatgaaca gcttgggtat ctgaagttta agccagctgt 120
ttaaaacaga acgaaatgtt ctatggtatt aacatataag tgttaattaa ttaaattacc 180
agactacata cacaccaaaa aaaannnggg cngggggggc caatt 225

<210> 768
<211> 290
<212> DNA
<213> Homo sapiens

<400> 768
gcaacaacgg tcacatcctt tcccttctgt gtctcagcca cagtgtgggt gtgaacaaga 60
aacccaagca gcatcctcat cctatctgca gctacgatga ggactccaac acttcctcaa 120
ccacatgacc actcggattc aggtgctaaa gaagcacttg tttaaaatag ctaaattgtg 180
gctcctgaat tagctatgcc aactattttc agttacaagt cttcacaata ttttattaaa 240
gtattaagtc aatgattaac actgagaata aaaaaatatt tgccctttct 290

<210> 769
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 769
gtcagacctg gagaagtgcg gagacaatgg tggggaaagc cccttacaaa accatcagat 60
ctcgtgagaa ctcatccaca tcacaagaac agcatgaaga aacggaacaa ggggaatgca 120
atctcacagg atggaaataa cctgtggtga attgttgcca tccagatcca cttttaagtc 180
cacatggttc attcattttg gactagatcc tggtacagcc cagtgaactg atattcttga 240
aatcaggcac agaggctctg aagtaatgca ttacatttgc atccatgatt tgcttaaaat 300
gttccattta gcctttcctc ccaggaaaca aagccagcag tatttgatta ttgaatagct 360

cgttttggat gcttaanttt ggaaaaaatt tttttaaaat ttngggaaac ttggnntttt 420
acaaaatgaa tcatgagttn tttttcaagt tttganttgg ctccaagggt tgaaataact 480
tanaagtcta ggatcattat atattagctc tattttacat gctc 524

<210> 770
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 770
ggccagacct ctgcagaagt ggtgtcaatc acttnactcn tttcnttagc ctactggncc 60
ccccnnttan nancccnaaa aactttncca aaggaaatca aactacagaa cagcaacaaa 120
ctcaaaaaat taacatttgg cttttgtgtt attaaaatat tttctcagca gac 173

<210> 771
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 771
gctccttcat ccccaaacag gaactgctgc aaggcccgca gcagccatgg gtgagtggct 60
ctggagatgg ggtaagtggc ctacgcaccc cagaggaaca gctggcagcc tagtcttcgg 120
gcagcagctc cactcagccc tggggaatga cagatacaga caaccagtta tgccagtgaa 180
gtgccctaaa ctagagatag ctggggcgct gtcagccacc ttaacagtga gaagaagcaa 240
caggatgaag tggaaacagc gtcacacaga tggagcctcg aatcccagca tgctagccat 300
gtgtcatctt catagtcttc ctaacgtctg tggcctcaga tgccacatca gtaaatggca 360
caccatatgt gatttaggct aagggcctga gtgtaataag ttgcttaaga attatagccc 420
ttcttaaata aatggagaaa cagtccatgt ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnngggg gggggggggg ccttttttntt tgggtntaaa ccgggttnnt tttttaaaaa 540
gggggggg 548

<210> 772
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 772
cagcgcctgg cagtctgcat catttcgcca cagtgtgaaa ccattggctg atgtataaag 60
tggaagcccc aggaacctct caaggcccag cttcagcctc accttccctg tggtcttctt 120
caagcagacc cataccaagc tctctgtgct ttggaaactg ccagtgaggt gaagtgggga 180
ggcatcggag cgacagccac gttgtatgcc tgctgcacga gccagaccgc aggacaatac 240
tcaatgagag gcaccaacat ccatcctggc tgagctgatg atggtgagag gccacagagc 300
catgaaaatg acttggagca gcctccatgt attcctcagg gttgaatcat tgtgtgcacc 360
acanancaat tttnttttt taaaaaaaag ntaaacactt gngaaaaaaa gggggtaggg 420
cccnttcctt gttttgacca aggaacaaat gcaaaccaga ccctgcttct ntcaccangc 480
anaagcttgc tctttcaatt cagagatatc ttcaaggacc caattatgct cg 532

<210> 773

<211> 8
<212> DNA
<213> Homo sapiens

<400> 773
gcaagaag 8

<210> 774
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 774
ccccctgcnc atgaagaagc ccatctgtgg taggagagag tgatgccnac ncaccagaga 60
aaagaaacga gagagaaagc agagagacag agacagagag agcgagcatt ctgaaggcca 120
gctccccttc ccctgtgctt cccaggtcct gtgcttgcca ataaactgcc ctttttcttc 180

<210> 775
<211> 121
<212> DNA
<213> Homo sapiens

<400> 775
aatatgttga atcctaatta ccaactcgat agtattagga gatgggacct ttgagaagtg 60
attaggttat aaggatggag ccctcatgga ccggattaat ggaaagagaa gaaaagaaaa 120
g 121

<210> 776
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

<400> 776
ggctgggcga cacctctgct ccactgacaa cagcctatcc caggcccatg gtgcacccct 60
ccagcatgca ggagaaggga atgcctcctg actgaccaag gaagccacct gcaatctctc 120
tccagacctc ccgcctttct ggtccctggg ctccctgtga cctgtttccc aagtcctccc 180
ctccagggct taagagggaa gaagaagtga cataggacag tcctccccac ggcagcctga 240
aaggaccttt gtgcagaggc cagcatccag agcaggacaa cctcagtgag gcttcctccc 300
aactcccccc ttaccacaaa agcccttnag caagctnggn cntttaaaat aacanaancc 360
ccaannntgga aggggccctt gaagtcatta tggaacatcc tcagatcaan aaatgaggca 420
aaggtatttg gggaaataaa agctcaagag gggcggaaag ta 462

<210> 777
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 777
catctgcatt aagcgcantg aggctacatg tacacagttg tgcagctgaa gagaccaacc 60
agagctggaa tccagcctac attccagtca ccacgcatgt atccggacat aaagggagta 120
ctttttccta atcattaaga ctcaatatga gctagtggga gatatgactg aagtcatgac 180
ccaatctaaa ttaacatcat tatataatca actgcattaa ctaaaaatgg caagtataca 240
gcctcaaatc aataaaggat gtatgcaaaa aaaaaaaggn nnnnggggnc nnttnagntn 300
ggnnttancc aggnngaact tgttnaaaag gggggggggg g 341

<210> 778
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 778
gaactgagga aagagaagcc agctctataa tttcacaaag tctccccacc ttactcatct 60
cgagtagtga ccaccgtgaa tggtcccacc gccagcctct tgggaggcag ccggggaaag 120
cactccatcc tgggacttag gagcatgaac tctggagaaa cacagacctg tgttcaaatc 180
cgagtccact gcgtcctcac aatgtgatct tggacacaga tccaatgtgc acagcaaggc 240
attcaaatag cacaaaggct agatcctcca aaggaatttc gccttcagct ctgactccca 300
gttccccagt ttacctgtct ggagccacca tttagaagct tatgtatata aagaattgct 360
gacacagaga cacgaagtga gcatttgctn gttggggaaa aaaggggccn taatntnttt 420
naccaggaat tgccacaanc cttnaatttt gtaaaacaag gcccaacaaa acaaggtatg 480
cggaagcagt ccaggcagta caatcagcca aaactgatta tga 523

<210> 779
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 779
agaactgagc acctctgctg attgtggtgg cttacccaag gcatatccag atcctcattc 60
ccaaggaatc tcagtccctg gtcccctgct gctgcattta accacttatc atcaataaca 120
aacaagggag tatgaagaat gaattccttg cgtgacaaac atttttctcc ctgcccattg 180
tgcaacagaa gtgacacttc ctccagatat tcagggttaa ttacctctgc tagaattgtg 240
acttgaatta ctgttttaag ccaactcatt ctttaatcaa gttcagactt ttgcctcatt 300
cattcgctga ttgttacaga ggtgtaagtt cagaggttgc catctagcct tcctcactac 360
aatagcttta atccacaggc cnaggaaccn cgtgngaaaa aatnggctgg gttcccaaag 420
ngggnttttt ccaactatca ttcaggcnct ggaaaaaagg acttctgact gagtctggga 480
acccgatggc ncattgcaat ttaaaag 507

<210> 780
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 780
cagccggaat gatgctctga agaccttgtt ggacagtgca ctcttcactc aaacctgcag 60
cagatggaat gatgctctga agaccttgtt ggacagtgca ctcttcactc aaacctgcag 120

cagctggaac gatgctctga agaccgtgtt ggaccatgca ctcttcactc aaacctgcag 180
ggctcccgca tctcttctgg agcagaagcc cacctgccag ctcatcccga ctgtgctgct 240
gcctcctctt ccccactggc tcagccatcc atcaggcctt gtgcatgcag ctggccagct 300
ccctctccag ggaacacttt tcccctgcat ctacttggcc aacttcctga tctcttttaa 360
ctcattcacc ttctcaangg gacagantaa cgctttgggg actnaagncc aacantctng 420
acccatctcc aangtttcta tccctngttg gctcctacag gacataccct atttgctt 478

<210> 781
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 781
gaggatgcag cactggcccc acagcgccca catcctggct ctggaaacac tcggtctcct 60
gattcagtga ggctacacgg aagcatgagg cccagctttg ggacaactat gacatctgca 120
aggctgcaaa gaggttttag ggcgagctcc aggctggtct ctgcggccaa ctgactgtgc 180
gtcacggttc aggagtccct gcagtagcca cagccgtgct cctgtaaaac gtttgtgggt 240
cctatgttta cattctctga ctctgaaacc atcgatgtca ccaaacacac tcctgttggc 300
ctgtgtttaa cacaatccaa ttcagacaca tgaanatgat nangtgtggg gtgccaagct 360
gaaagtgcta ctttcagttt ggtaaaagna aaatnntaaa agnactaact ttaacatccc 420
aaaaaattat tnttatacca aaaacatttt tagagattga agaacagtat aaaacctttt 480
cctgttcact g 491

<210> 782
<211> 193
<212> DNA
<213> Homo sapiens

<400> 782
cctcaggtgg tcgctggagg atgaagatgt gtctgaggct gactgagatg agctaatggc 60
ctgctgccca ccagatacaa gaatgagctc cagccaagac cagaagaaca tccccctgc 120
ccaagcgcag ccaaggtcaa cagaactgac cacatgaccc atggactcgt gagaaataaa 180
ttatggttgc tgt 193

<210> 783
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 783
acgcctgact gaggctgtac aagatgngng gtgccagcat ctgcttctgg ggacagcctc 60
aggaatcttt caatcatgga agaagtgctc cccctggaaa tcagagaact gtgtgtatag 120
aagatggaag atgagagaga tatggaagtg ttattatgat ggaagtagaa atgtctgaga 180
aagtgaagat ctagaggctc aaaagttgcc tggagactct agactggaga agaaatggaa 240
gtatagagag gttgaccagc tcaaatcact ctctcaggaa gcttcagagc tgagatccaa 300
gctccagggt acttggcttc aaggccagag ccactggtct agagtgccat agattagagc 360
taggtattta tgggaaatgn ggnattctnt aaaatggtca ccaggganaa anctttggn 420
gggaaaaaaa tttgacctcc ctnatcctct ccacaatctc tttaacatct catatctggc 480
atggccacac agttcaaggc attcaaacga ttgccttcat gggtttcttg ctgatgg 537

<210> 784
<211> 241
<212> DNA

<213> Homo sapiens

<400> 784
ctgttatcct cctatttgta aaacggaggc acctgggacc cagctccagc aaggagagtg 60
aggatccgac tccaggaggc acctcaggac caaaggcctc aaggccaaca ccttccacgg 120
cacaagcccc acagggctgc aggacccgta caagcagcgg accatccctt tctcttcttg 180
actatgtttt cccctgatgc tttgctttcc acatagaaga gttttccatt ttcgtggggt 240
c 241

<210> 785
<211> 308
<212> DNA
<213> Homo sapiens

<400> 785
aactgaggag ggaaatttgg acatggacac atagggaaga cagccatgtg gagacagagg 60
cagaggtgga cctgctgccg caaaaccaca gggcgccaag tactgtgggc cactgagaaa 120
actaaaggag aggaaggatt cttccctgga gctttggaga gggtgcggcc ctactttcac 180
ctggatttca gacttcagac ttccagaacc atgaaggaat aagctctctt tgtttcaaaa 240
ccactcagtc aaggcacttt gttacaacag cctaggaaac taatacagga attggtatta 300
gtaaaatc 308

<210> 786
<211> 377
<212> DNA
<213> Homo sapiens

<400> 786
aactgagcat ctgcctcctg tgtcccctct ttccctgttg tacggctaac accagatccc 60
agtctcttca gtggcactca acttttttcaa gtcacaagat ggaagcgctt tggaagagga 120
gtaaaggacc tggactctga ttccatgcca ccgcaaactc gggcaggcac ttcaaagcag 180
agagtctcat tttccacttc tgaaaaacac atggtctaga tgagctctaa gtcctttgca 240
ctcaataatt tcacagtctt ttttattatt aatattattt tcaattgaaa aatcataatt 300
gtatatttat ggggtacaat gtgatgtttt gatatatgta ttcaataagg aattattaaa 360
tcaagataat taacatt 377

<210> 787
<211> 208
<212> DNA
<213> Homo sapiens

<400> 787
gtaagcagac ctctcctgtg atgttctgga tatgcctgtc tcaacagatt tcagggtggc 60
cgtcttctct gcaaattcag ttctctgatg tgtccaagcc ttttcctgcc tataaatcca 120
gcctcttctc aactcaacag aacattcaat tttatagaat gaggtgttgc ctcattctag 180
aaccacaata aaagccaatt tgatcttt 208

<210> 788
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 788
agtagactga ggcccaaaat gcatggcaca gggaagggtt tgacaacttt ttgatggatg 60
aacaaagaag attcaagcca cttgtcaaca agctcaaagt gattgaaagt ggaagcattt 120
acccacacgc tcatgcagaa aatgacagga aatcatccag agacacttgt gacagagatg 180
agaactgtca ctgttgagag gtgctgcgga gatgggtgtc cacggatgac cgttcggagg 240
ccgacttcgg ggatgtggcc ccattagctc aagagtgggt gactccctac cacactgatg 300

gcgttggcca ggacaggaca agcctactgc agtgacacag tgtcactgat ccctgatgcc 360
cacgtgggng gtttactttn actaaagccg ggnanaaana ttgcaacaag anaattgagg 420
ccccagcgnt gagcagccca atcacctggt tgtaagcagc gaagtgtttt ttggctntgc 480
tcntgggccc caaaccactg tgggctcacg aaagaatctt tca 523

<210> 789
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 789
aatttatttg actccaagtc cttgatcagg aagacaactc ctaaagataa caatcttcct 60
aaaggaaaat gggactgttt tacaaggagc cacagaatgg tggatctgag aatccaacat 120
agggaaaccc actgcttcat ctaccattat gcgcttgtat atgcatgact tcagggataa 180
atgggagcca gaagtacaaa ggaatcttca gtagtagaca aaacgcagaa cccttcacgg 240
tttgaccagg gtcattgtgt gtctgcctgg tcatttgacc agctcttacg aatcaggaac 300
ccagctgaac ctcagttgaa ccagcccctc caacagaact gaggggattt ggggctgata 360
agctcantgc tatgtttaca cgnncgcctt tttntaaaag ttgcagtttt tgnaaatgga 420
anctatattt gggtngcata tgatttctat aatgnattac tgncccaccc ctgcacatcc 480
ttcagagaac agtaaccagc c 501

<210> 790
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(506)
<223> n = A,T,C or G

<400> 790
atatttcctc caggagtaat ggatgcctga tcatctgaga ttacatctgc ttcacgcata 60
caaactgcat aaggcaatga tgttgcagag gctccacatc atcactcacg ttcagaacag 120
acaggagcag cagcaggaaa ggaggctgga aattaaatcg tgaacttttg gattgtgatt 180
ttaaaaatat atctgaaatt atcatgtaca tgaataataa cttgtaatag aaatagaaaa 240
gataaactcc taagataatg taaaaagcta aatattttaa atattcatct tttttatggt 300
tgagtgaatg tttgatatct catgttatct tgattatctc tgacctctaa atacctggat 360
ctccaccccc tctatnttct tanatcccct ttcccnaaag ggaaaagcct gggctttaat 420
tggaggaaaa taancctaaa agcctggccg ataggggaaa ttttttttct agttttaatt 480
tgaatattta tcatcaaact gaactt 506

<210> 791
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 791
acgggtctga agaagcaagg actggcaagt ctgatccccc actctgattc tcattgctga 60
atgtctgggt cttccttgtg tacctgctgg ggtgggagac tgctcgcagc atacctggcc 120
tatgacatgc ctagctctct ggggtggatc ttggacagga agactgcttc tgccagagta 180
aagaatatga cggagctcct catccgatgg agcctctggg aagaggcgaa gagccagctg 240
gaagcctggt gggcctccgc tgccagcagg acagatgcat caagtcaggt ttatgggaga 300

agtcttccca gaccactatg tccaaacttc tgtccatnct gctataaccn ntttcnncgt 360
tnagtnnggn ngaaaaccan accanttcan ccttggccaa aagctgcaaa gataagaacc 420
c 421

<210> 792
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 792
agaactgaga aaccatgaag ttatttggat gatagataca gagatacgct gctcagatgc 60
ccctttcaag aaagaacttg ctgcctcttg ctcaagtttc ttcctggagc tttcaagcat 120
ctttgcaggg aagtcacatc cttcccaggg cagcccgact gaccaagaca ccgatacctg 180
aagctatgat aaccttcttg tgaccaggag acaacaagca gaaggccaaa aatacccaag 240
aatggcagag cagaaggatg gaaggagctg ggcttcatta taacattgga gagtagccag 300
accaacaact ccagcaacca aataactctg ttttcttttt aaanggggta ttaaatgacc 360
g 361

<210> 793
<211> 316
<212> DNA
<213> Homo sapiens

<400> 793
tctggtacaa tgcctgtcgt cacataagtc tggcttcttt atgtgcttga ggaaaaagga 60
ttgaaaacga agatcagaac ccagcgcacg acaatgggat catttttca gacacagcct 120
cctgcttcat ggagctctgc ccttcctgcc ggagcaccga cctccgaagc cagcacaaca 180
gaccctccag gctgccccca gttccttccc ctgccctttt gaacttaaca ttgcctgtta 240
gtgctgcctc tggatggtct gttaacctta ccatgctttg agtcaaactg gactgaagta 300
gacttctggt caaaac 316

<210> 794
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 794
ggcnggtcna nccttnnggt tttngcntaa nnccngnccn ncnngttnga aannggggnc 60
ctcnagaaac naaaaccatn gtancccntt gatcccctna cgggnggtcc caaaaaacaa 120
ggaagcttcg aggccatgag caaaatatac caagcccaag tggaacccaa gcttgtcttn 180
ccccatctga cccggtggtg cttttgggcc attgggcatg ttcttcaccc gcctggggtt 240
cttcgtttac cgaangtcac ctctaccaaa gtacactcgn ggataatcta taaaagaact 300
cctcatcttc cttaagtggg ccctcactct tcatggggct tttgggaagg ccctcnttcc 360
ttgcttggct cttggggttg gnaatctaac cgtgnggagc acccccaang ggngaaaaaa 420
accacaaaan ggggntttct ttgnaaaacc cnggcttttt tggnaaaaan aacttttttt 480
tttaactggg ggggnnggga aagnggnccc accctggctt gggtcaataa ataaaatggc 540
cggaatgtca taagcc 556

<210> 795
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 795
attaaaaaaa gaaaatgtga atatgaaagc agagagtgag agtgaagaag gcacaaacag 60
aaggacattg ggaacaagca gccgctaatc atcatcataa cngactcagg ctggatctga 120
gaaaaggaaa aaaagtggat aaagagtgtg cacttctgtt ggggcaatga ctccggggcg 180
gaagaggctg aaagaaagga ccaatgcagg gaggaaaaga aattgcccaa ctccttccag 240
ggaatgtaga tgaaaacata tagacacaat tgggagaaaa tttggggcag ctgatctgac 300
tatgaactgt tttgataaga tgaatgacca gaactcccaa tactncttga gnagaaaatn 360
ttcccctgcc cctacaanaa naggctgnga anacactgtt tgaactcaga ccatcacaaa 420
agaacagtat gattattgac tttcaatgag tttcttacaa ttttatacct aattactatg 480
ctggcaataa tgattatgta gaccattaaa t 511

<210> 796
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

<400> 796
actgaggtaa gaagtctgta attttgactg agaatgaaaa ccctgctgac atgatgattt 60
gtggcagata atgcaactga ttccatagag atcgcttgag atcacaagtg atgtgaacaa 120
tcaatctgaa aaataaaatt tattcaggcc atcacttcaa gagaacacta tgaataggtg 180
ctggatctaa tgacctttca atggaatggc cacttaattc aatccaggaa atgtttgaga 240
gtcaagtaga tcaagggaga catttaatga catggggaca agcatggtac cccagggata 300
ttccaggaat tgagacccta ttgtaccttc aaacctgaga ttgnatgaat tctccactat 360
ttgggggget tgggttncct ttntctcccc tncaaaaaag gnctaaancc atcttgcata 420
gctttaaaat gaaaanctct attagcaaag tttgtaaatt aactcttaaa ggctcttttc 480
aaggtagatt aaaaataagc tggaaccctt g 511

<210> 797
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 797
agaactgagg cttccagggc tgtggggcca aatgtgccct ctcctgccct catggcaagc 60
ctcagttcct gagttctcat catttcttcc ttgctacaat cagaactgag tctagcaccc 120
ttcaggacaa atccagatcc ccaggagaga cagcctgatg agttcagctt ggaaagggtc 180
tgttcctgtc ctatcagctg tggccagcgt gccagggtca cgtaccagtg cgactgccac 240
agcacggccc atctgtccag gagtagttct cagtcaacgg gctccagctg ggactcaggc 300
tgaatagatg cccacaagga tgtctgctac cacatgtaaa gtgccccaaa gcaggacaag 360
ggctcaacna gggngggccc cgtttaatna agggaattct gngtctgtct ganaanaaag 420
tgggcgatga gcaataacaa ggcctgtcgt ccatctggaa gaactccagc cacccccaa 480
actttcaggt gcatagaacc acctggacat aagacacaaa cattt 525

<210> 798
<211> 321
<212> DNA
<213> Homo sapiens

<400> 798
acaaataatc tctacagtgg acctcaagac ttcatactaa gattctgaag atgattgagt 60
caatggatga gtgtaacgaa cttttggaaa cttcaaggca attaaaggaa actgcaggag 120
gaccagaaaa gatcaagacc agggcacgag ggctgatcca aacaacgggg gccggcattt 180
gtgatcttgg gtagagccac cccagtgtgg gtcaactcca cagcattagg aaaaccagtt 240
tatcagaatt accttctcaa gcaatagatc tgttccttgt cacattctta gaactaataa 300
agacttatct ttattactac t 321

<210> 799
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 799
actcctgcat taggtncaac tgagtttgga gatcttcccc aatatgccca gtggattctc 60
ccaccagggc caggtaacct tcctcaccag aggtgagcat cttgggaaaa agtacatcct 120
gtctttgccc ccagaggtga cttcaaagag gcaggtatgg tcaagagaga cactggaaga 180
tggaagttac ttcagtgttc cagttgctgg tgtagccagg gcttcacagc gtggaagtat 240
ggcatcatga tgtctactgc acatctattc ccaaccccat attcagttgt ttcatgtagt 300
ctcttgaaat ctatggaaac tagaaaacac tacaaataaa gccttgattt attg 354

<210> 800
<211> 409
<212> DNA
<213> Homo sapiens

<400> 800
atgaagaaag tgaagtccag taaagatcaa gtagacctct catgtagaca gcgggaaaga 60
gctaagacta gaactcagat ctccaaacag ctacaacagc tctgtttcca gcaatgacaa 120
gttactggtt ccaagaatgc tcttccttgg atctcagcgc cttcctcagg accctctctg 180
cgttcctcac atgctccagt gccacgtgaa caatgaagct tccctgagct ggactgcaat 240
ccagcaagtg gctattcttt caacagtgga gactgggctt cgctgccagg gaaagtccca 300
ttttaaggga gaatttgcag tgggccggga ctgcgatatc ttgtgaccac agaaagatca 360
aacagggcac cttgagtatg tgagtctatg agttttacca ttgaaaaca 409

<210> 801
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 801
ggctcctgct tagtcnaact gagatgcaga aacccggccc agggaagacg cagcttgagc 60
aaggtcaccg gcagtttcct ttgcagtaaa atgggaataa aaagaaaatc tacataacag 120
tagatattct gtgaggatta cgtgaattca tatttgaaga gtgagtagaa gggttcctgg 180
cacaagctct acaagtgtgg ctggaatgaa tatgatgatg aggatgaaga tgaggatggc 240
ggggctggag ctcaagtgcc atactgtgtc ctggagcaga agccacgtgt tgaggacagt 300
ctggaccctt aacgagggtt gagccaccga caccagcctg tgactgttta cctcttgagt 360
ttgtttacag gagaanaaaa taaactctct ccctttgtt 399

<210> 802
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G

<400> 802
actcctgatt agtnnaactg aggaataact ttcttctatc ttcaccttcc cttttggcta 60
cagccttaag aagaagtggc agaaaaacat ctgagatgaa gagagaccct aggttcctga 120
catgtccagc ctctgagtca tagaggtcat ataaaaaagt aagagagaga aaattgtgag 180
agataggctg ccctaagagt ggaaggcatt gaatgttaca cacagtttgg agtcatttgc 240
agacaatggg tattaacctt tagttttggt catgaataaa tagcttattg gg 292

<210> 803
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

<400> 803
gtttgctgca tatggttggc acactgtgca ctggacaatg gaatgtggct gaccaggcat 60
tgggagagat ggaaatccaa ccccctgaat gctcacaacc gtgcaatcta ccattcccct 120
catgaacgga tgcccttgtc ctacttactg catggactag ctgcagttct gtgaacataa 180
ataagaattt agcactcatg gacattgcct caatggatca acacaacagc ctaataagct 240
gagtcttatt tcccagatga agaaattgaa gattataggt gttaagtgac ttgctacaat 300
ttggaagcta gtgagtccag gtgctacagg gtaaggaaag cgctgcctat gcgggatgcc 360
cnacctnnng gnaaannctt tgggnaaaaa aatganccta taaagtccta ggaccaaggc 420
ctccttttg ctgtcttctc gtctctcttg gaccttcagg cgccccgctt gggtttgttc 480
caagtg 486

<210> 804
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 804
agaactgaga tgtcaacttt ttgtaagagt cggatgccgt tctttcgctc catcctaatg 60
ggcacttggt catgtgccca gcaacattca ctccagaaag ggaatctgct tcctgtgcaa 120
tagaactctg tctggaacaa ccagggagat gttttcatcc acatggacag anatttccgg 180
cacctactgg ttttcccacc cacactgagt gttgccctct aaatgagtca ctctggtttc 240
cacagagagg tcaggtgtct ctcgggagct ggacttcctg aattcactcc accacgtttt 300
atctgtgtaa ccttgtgcag ggtacctaaa atctctgtta cctcatctgc aaaatgggga 360
tacctaatac ttngagaggt ngtggtgaaa ttaaacgcaa gggcacttgg ccaggagcgg 420
ggcacacgat aaatccattg 440

<210> 805
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = A,T,C or G

<400> 805
gagtgtgata tggcttggat ctgtgtcccc accgaatctc atgtcggagg tggggcctgg 60
tggaggtgac tggaccagtg tgctttcctg ttcttcagat tctacaaaga gaaacactct 120
gtttcccaga cttgcttaca gcaagggact tagatcccgc cagccagagg cactcccgtg 180
agatgggcag ctgtgcagga ggcatctgtc ctgccgtgca atgctcaggc acaaccagtt 240
ttggagccaa cagtcctgac attgactttc tatccctcag acgccagcca aggcagtgcg 300
ttcctggaat caacgctctc aatagcagct tcccaatcct tggccaaagt gatgtcactc 360
aaagccagcg ggtatgacaa aagggnttnt cnaccctnan atnggggnaa agttcacagt 420
accctggggn ggctgattnt gcagggtgtt ttttatgcat ttctgaaggc caattaatag 480
cccatttctc cagctcttcc aattattttt tta 513

<210> 806
<211> 161
<212> DNA
<213> Homo sapiens

<400> 806
ctgagagcca agaacatcag aggtgggatg atgatgcttg tggctatgag acaggatttc 60
aaggatcctg atgaaacgtc tgctggcctg tatctgtctg aatgctggaa agggctttgt 120
gttactcgaa ctgaaaggaa aacataaaat gatgataatg c 161

<210> 807
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 807
gaactgaaat ggaggaaaga tctctcttca caagacttaa cattacatgg ctgggtgtgg 60
tggctgaaac ctgtaatccc tgcacactgg gaagccaagg ggaggactgc tttagcccag 120
gagtttgaga ccagcctgga caacacgttt aggagattat ttgaacaaga accgaaattg 180
ctccttttaa atcagaaagc ttgacaatat gatggcaata taaacttacc agcaaccata 240
cagacaccaa gaagagccca tcgcaacccc tggggtgcgc ctggaccatc cttcctctcc 300
gaagccccgt ccagtattct tcagctccca agttcaagtg actgncgagc ctcacagact 360
ttnaaaaaaa cttggttcct ntgtgggggc cncnctnctt tgacctcaca ttntcaagcc 420
gagtgttcat tgttgcggtt cttgtaatgt ttctgcagtt ctaataaaaa caggagccaa 480
aaaaaaaa 488

<210> 808
<211> 362
<212> DNA
<213> Homo sapiens

<400> 808
atttcttgcc caggagtgtt cctgcctggc aaacaagatg tgtacctcgg ggtctacctc 60
atgaatcagt acctggagac caacagcttt ccctctgcgt tccccattat gattcaggag 120
agcatgagat ttgaaaaggt atttgaaaga gcagtagatc ctggagctgt agtagacctt 180
ttggaaaacg gagaccctag caaggcagag acagaagcgg ctggacatcg agaggagtac 240
attggcactg gcagaacgac acggagtttg gccggggcag ttggaagaga gccggggctg 300
ccgagtggcc caactccagg ggaaaaccat ctccctgctg gctcccccat ctgctgatag 360
ct 362

<210> 809
<211> 336
<212> DNA
<213> Homo sapiens

<400> 809
cccctggact gatgacgttt gctgtatcaa cctgtaagga gaagctctct ccggatggct 60

atgggaatga aagaatccga cttctactct cacacagcca ccgtgaaagt cctggagtaa 120
aatgtgctgt gtacagaaga gagagaagga agcaggctgg catgttcact gggctggtgt 180
tacgacagag aacctgacag tcactggcca gttatcactt cagattacaa atcacacaga 240
gcatctgcct gttttcaatc acaagagaac aaaaccaaaa tctataaaga tattctgaaa 300
atatgacaga atttgacaaa taaaagcata aacgtc 336

<210> 810
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 810
agaactgaga ctctttccat gatgagacta ttcacatcat ggcagctgag gactgagatc 60
tctttctatt gtggatgaag gaagatactg tgtgtcatca gaccaacttc aggcttccat 120
tgagtcattg tgcctttaca ccaccaccag ggaggaaaat tacttacttt ctaccaagga 180
agcagttaaa tcgcaaagct caataccatg tgatgtgaag actcatttta gatcagccca 240
agaaaaacac cattaagcag agaccgagcc tgtggttgaa agatatggag tcacatggca 300
gcggccacac ctcctcgaaa gctaaatcca tgactgggcc ttggtccccg caggctcctg 360
cctggcctgc cccttnctgt gctgggaaaa tgggaaaggg acnttggggc aaaatnggag 420
gancctgcc tttgacaagg cacatacaan gggaaagtct gtcaaaaagc attngtttta 480
ctttcttttt taaaagaaaa aaaaatactg ttatttactg ctttacc 527

<210> 811
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 811
gctcctgcat tagtnnaact gaggaatccc agtgattcaa gagtcattcc agagaaatac 60
acgactgaag atgactggtt acccttctag aaagagggga acaaggcctc cctagttcct 120
tttgcttccc agtgaataca ccgaggcaga agagcctttc ctagaaaatg tcctgggcca 180
ttatcttcaa ggggcttcag aacttctaag aagtgtaggt atccttttgc aagggaaaat 240
gtatatgcct taacgtaggc gatttttgtg gcacctttct caatgaagaa aaggtgtctt 300
tttctccaaa ctaatttgct aattaaccta tcagtcacta tttacacatg aaacagaatt 360
cactccagat tgttcaaatg aaaaacattt ataaaagg 398

<210> 812
<211> 348
<212> DNA
<213> Homo sapiens

<400> 812
ggttctggtt aaagccaaaa ttccagaaaa gacaagtcag cactgcccat ggcagggata 60
cagtgtgaaa gcaactcaaa taacacctgt tttttgaaga tgccacaggc agagtgttgg 120
agccagaggg ccaagacact gaggaagaag agccaagcta ctgctataaa gaaggagtgt 180
ccccttataa atgaagaaca aagaagaagg agaatacatt attatctact tataaatcac 240
acagagacac aaaaatagtg aggtagttag tacgtaaaac aggccatata ctagctagaa 300
aggcaaagcc tactaaagaa aaatatttga ataaaggaaa tgggatac 348

<210> 813
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 813
gtttnagtga ttgggcagag gtgtcatgtg acccaagacc atccaataag ccttgacttt 60
gggatttttg ttggaccgcc tgggaaaaag aagctctcct tccattggat ttgaaatgag 120
caaggcgtca gtctggatct gcaggtgcct gccctgcggc cacatggaga gtggctgccg 180
aggactgaag ctcacaagga gggaggcaga ggacacggat gtggtgagat acggtcctaa 240
cagcatcatt tgagccctgg attcagccct gcctgccttg aaaccaatac ataggcccca 300
aatatattat ttggaatata tatatttgga atatatatta ttagaaacca atatattaga 360
aaccnatttt aaaaagctta taaatnggcn gtgtttttgt ttaatcc 407

<210> 814
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 814
ggtaatcact ttgatcagta tgaggaagga cacttggaaa ttgaacaagc gtcacttgac 60
aagcctatag aatcgggaga acagatccca ttccaatcnt tgtcaagtat gatgtcatgg 120
gcatgggtcg catggaaatg gagcttgatt atgctgaaga tgctaccgaa cggcgccgtg 180
tcctagaagt agaaaaagaa gacacagaag agctgagaca aaagtacaag gattatgttg 240
acaaagagaa ggcaattgcc aaagccttgg aagacctcag agccaacttt tattgtgaac 300
tgtgtgataa gcaatatcag aaacatcagg aatttgataa ccatatcaac tcctatgatc 360
atgcccacna gccgagattt naagattttt aacccagaga gagtttgctc aaaatgtctt 420
ttcaanatcc cgcagggatg ag 442

<210> 815
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 815
cacttggggc acatgaagac tttgtacgac cttttctctg aatggaaaat gaattctcct 60
gcactcagca tatcaaatcc tgagagactt tcctggaccg actttggcca cctcaatttc 120
tgaaatgtta tactgattac ttctttaaga tattgtttgg cccaaggtca tgtaacatat 180
gagttcattc tgtgcatgaa gctccccaga gaacaacggt acacaatgtc agtttggtta 240
tggcatctga aaactcataa gagcagactt tcattaaaag cagtattacc cccagccctt 300
gccttctgag aattcacata tgaataatta ggagtctgta agtaggggcc tacctgnggg 360
acaaatttct ccccnggttt ttngaaannn aaaaagggat ttttt 405

<210> 816
<211> 330
<212> DNA
<213> Homo sapiens

<400> 816
gtttgggttt cggatttaag ctctactagt ccagggatca agtagctgct atggctctgt 60
ttcatgccct ctcagctctc aggagcgtcc agcagcctca gaactggagc accatgatga 120
caggaggaaa agacagctgg gctgctaagc agcagcagag gggacctcac gtgttataac 180
tacacatttg ggtgttgctt tgtttaatgt ctgtctctgc catgaaatgc aagctgtaag 240

ggcagagcct gtgtcttttg ctcattgttc tttcccagca cctggaacac tgcatgcaca 300
taacaggccc ttaataaaaa tttggtgaat 330

<210> 817
<211> 363
<212> DNA
<213> Homo sapiens

<400> 817
aactgagctg gactggcatt ctatgctcat cctgggtctt tctttgtctg gttggctgca 60
tttggaagga ccttgctgaa cttgacctct ggttatgctc tgaaactgtt ctcttaaaaa 120
gctaacatgg agtggtcctg ccagccctgg caatgtctca ccacctgtgc atcagtgcca 180
gccaagttgg aagataggat ggatgcctgc acacttaaat ttttaattgt tgacatctct 240
aagtctggaa gtaattttgt caataatgta ttagagttac atagctagat tattctacag 300
taagtttatg gggtatactc agtttatttc attcaataaa ttgtataata aacacagatc 360
ccg 363

<210> 818
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 818
agaactgagg ttctaatggc caaactggca aagttcctgc tgttgccctc acctccaagg 60
ctggtgctcc tggactcagg gtgtgttcca ggtgcctgaa gcatggccca caccagaaaa 120
aggtgctctg taagggcaga aaccaggtcc tcacaccatc ggtgcatgat aaaaattaac 180
tgaccaaata acacggtggt accctcttca aggcaacttc ggagtcagac atgcctacgt 240
tctccttcct gctctgccac atgtgtgacc ctggacaggg tcctccatcc tcttggcctc 300
agtgtctttg ccagcaagct gggaataaga atcctgtgtc atggggttgt cataaggggg 360
aaatgagatg acctaaaggg ncatttttta acntaannaa atgcctttca aagcaaaata 420
aaaaaggggc tta 433

<210> 819
<211> 88
<212> DNA
<213> Homo sapiens

<400> 819
gcataatttc agagaacctg taagaaacct cttcaagcta ttgcaagaaa cactcacttc 60
taaaaataaa gagaaatctg ttttccct 88

<210> 820
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 820
gcctatccac agctcttcaa ataaagcgct gngangnnag cnaaagtgca ggggctcctt 60
gagaactttc cagggctaac cagctgctga ggagtggcct ccaggaaaga gagaagcact 120
ctgattcagg cagtgattta cacctaaaat accaactcca tcatatcttc agaacaattc 180
ttctagacct tgcatctaaa tatggagtcg ttaactaaca acgaacaaaa cctctggatg 240
gccgaaggac ctaggctata cagaaagctg tgaattacca atgagaacgc agtgagtcaa 300
aagaataatg gaattaaata agttcagagg ctttaagtgt ttcttaaaac acttatctat 360

gaacccctaa tcttagtcat ttctggcaca gttggtattc ataagcattt gatcatcatt 420
ctg 423

<210> 821
<211> 234
<212> DNA
<213> Homo sapiens

<400> 821
ctagttctct tggagatgac tgatggcatg aattctactt gcatggagtc cccgagaaac 60
cactcctctt cttcaaaaaa gtacactaaa tctcaggaca aactgggatg accagttatc 120
actgctgcca accctgtttt gtgaattcca tttaagatgt ccaactgaga acaaattatg 180
tctcaaataa gattgtattc acagaatgat ggaactaaag ttcttggtaa attt 234

<210> 822
<211> 294
<212> DNA
<213> Homo sapiens

<400> 822
gattgaaccc aaagctgcca ttactgcaag aattaatgct tattgccaag aaattcaaat 60
aaaggaaact cattggaaat gttcagagag gaaacgatga cagtgataat tccaaatatg 120
atgctttctc cataaactat ccatagagat ggcacagctc tcgatcaacc tttgcctggt 180
tggcttgaaa tgttttaagt ctttgacata aaaattgtga aaggactcgt cgtttccaaa 240
gtgagatgaa gattttgtta ctgctgttta ttaaaatttt ttcgttgtgt ttcc 294

<210> 823
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 823
cacgtggaaa gcaagacccc tgagggcgca ggttttagtc aactttcatt cagtgccgct 60
tctacagagt tgaacacttt ccggtacatt aaatgctctc gttggttcag aaagaacact 120
ttgaaaagcc tgtgttttga cgtctactca gaagtattgg aatcaatgaa gagtgggaca 180
ctgaatctgg atcctctcta aggaatcgtt ttccagaata catcaaatgt tacctgcttt 240
gtaaacctct ccaattctct caattccctc tgtcatcatt taagcactga ccatcagacc 300
ttcctgtacc tagacagcag ctttctattg gattctctgc ctcaggcacc gctctcctcc 360
attcaaacct tcacaatcat tatctctaac gtgaagacca tgccgnctca gggaacccca 420
gaagggatcn tngaaccttt ccaaaaaaaa c 451

<210> 824
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 824
aacatttaag gaagtttcta ttttaaacca gccttggagg gttttcatga caaggaattg 60
cacattggat gatcatttct acctttttgca ataactactt cttatttgca agttgtgttt 120
aagtgaacaa agacaatgat accctgttga gctggtaggt aggaagaacc agcgaagcgc 180
acagttaccg gagaggttat ttgcccaatg ttgagaaaca tatgtgtgta ttagaaaaaa 240
tcacatcgac tcccaggaat cctgcaacat actgcaactg tgatgctgac cagaatgagt 300
ggagatttcc tcatgatttc tctgtgtgag atgcagagtt atcattccac ttgaatctgt 360

gaaaagtgtc tgattaaaaa tcatacngat aattaccatc cggg 404

<210> 825
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 825
actgaccgga atgataacga cttgcagcgc ggtgttgccg tccccaacca cccctgtttt 60
ctgacaacaa gggagcgcgg gagaccggag cgctgaaccc aaatccctca gcagttgcac 120
ttcattaagt caaaatgtga caagaagctt agagagcaac ttgcagatct gatcacacag 180
aacaatcagg gaggaaactt tccaggagtt ggtcgggggt ggaggaggga ggggagggcc 240
anagatgtgt acgtacaggg accaggacat gcacggggtc ctgtacccca cctgcccagg 300
gcaggtgtcc tggctgatgg gagcagggaa gctgtccctg ggtgggatct gggaccctgg 360
gatactggga ccccagtggg ggcctaa 387

<210> 826
<211> 335
<212> DNA
<213> Homo sapiens

<400> 826
gtaatacagc aattcactgt acgatttaca atggtgcatt agcaacccgg cagcagtgtg 60
atgtcagagc ctcaaaaaga cgtatgcaag agaagcaact gggcctggtt ctgctgccct 120
ggcccccagt caaggctgct taaatgtcac caactccagt cctgctctgt tccacagcta 180
gtcctggctg tgattttctc ccaaatagga cacagatatt aactaaggtt ctgggaagag 240
gaagcaaaag aaagagaaaa agcaaactac tgaatgcact aaacattttt ttaaagtttt 300
attgaaagga aaatagaggt taacttgaag gaaac 335

<210> 827
<211> 241
<212> DNA
<213> Homo sapiens

<400> 827
tgatgcaaga tggtcctttc tgagcagagc tcccctcgct cagtgctcct ttgtttcacg 60
tagaagatct tcttgagggg actgtgtggc cagtgcagcc caggcctccc caccctgcac 120
cgttcaacag aagagcagct gacgcagggg gccctcaaca tgctcaccca aaagtcagcg 180
agattctgca ccggcccact agccttccaa ttgtaaacta aaaataaaat cttggccagg 240
c 241

<210> 828
<211> 419
<212> DNA
<213> Homo sapiens

<400> 828
gcagagaaac agatgaaatg actcactgag gagggaagca ctgggatgcc tcctaacctg 60
ggacggcttc ctcttctgca gcgtctgtgt ttgtcagtgt ctcctctgga tcaggcaggc 120
ctcagacctc actaagctat tccactcaac tctttcttcc cgtgcttcct gactccaagg 180
tatcaggcaa acttgttgat ccatttagac ttcactctca ccctgcttgt ctcttttctt 240
cgcgcacacc agagctaccc agaaccgcgg tgatgccttt ccctggcagg gtcaggccta 300
ctgtggcagt gtcatgaacc tttcctaagc aggatttgtg aagagggcaa aagctggcat 360
cagcaagaca tgttttggtt tagacgtctc agtagacatt gcagcaagtt aactattgg 419

<210> 829
<211> 440
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 829
gtccttacct gaagcccaag gtgatttttg gccgctggcg accttgtgac cgttggcagt 60
gggtcagatg tggcactcag aattagggga aggattggtg atgccagaac atctggtgaa 120
gccggcacct caaggcactc ctcaagcctg gaaagcctca ccaataggat tgatccagaa 180
tatgttccag caaaaactac agcagagtaa ctttgacaag aaaaatgttc acttgctacc 240
taaggagagt ctctgtctcc tgacctctga atttcgaaat cctcagctct ggctgccacg 300
cagtgggaac cgaatgagat ggctgggcag ggttctgcaa cacagcagaa accccaggct 360
tcccaagacc caggatcaga actgnataat gncacttctg cctcactttg gtggacnaaa 420
gatttcacaa agaatatttt 440

<210> 830
<211> 464
<212> DNA
<213> Homo sapiens

<400> 830
acagagtctg gctctgttgc ccaggctgaa agtgcaatgg gtgcaatcag aatttactgc 60
agcctcgacc tcctgggctc aagtgatcct cctgactcac tcagcttcct aagtagctgg 120
gactactgga aaattaacct cattcagact gaggagaaca gaaatacttt gagaaatctc 180
acaaaatagc catcataatg tgaagaagcc gaagcagcct gtgaagaggc gctagtggaa 240
aggaactcag gtgcccctgc cctcagtccc agctgaactc tcagctgaca gccatcacca 300
acttgccagc cacaggagtg agccaacttg agagtggatc tttcagtccc agtggagcca 360
tctcagctga cacaccatgg taaaaagatg aaccatcctt gctgatcctt gccagtgctg 420
cagatacata agcaaaataa atggttttgt tggtttaagc cact 464

<210> 831
<211> 480
<212> DNA
<213> Homo sapiens

<400> 831
atcctcccat acagtggcag cctggggagg cattgccaac aattacaaca gcccttctca 60
tttgaattga atggaaggcc aaagagcatg aggtctgaag tttaggatgt gaaggagaaa 120
agaacataac ctcaaaaacc caattttaat gatatttaaa aggcctattc cctccagaaa 180
tgtcaacatt actcaggagt atagcaaaaa acagcctgga gttttcatga tgtgaacgtg 240
agaccaaagt cacactgagg agagattaaa cttggaacat gattgccagt aaagaagata 300
actcctgcct agaaaaagcc cagctggtga cttccgttac agaattcaca accacactgg 360
gttcacaagc ccttcttccc acatggaagc ccccttttct taaatgtccc agattctctc 420
ttctttagat tggatgccag tgcctcttct tcataaaaag tgctcagctt ttgaaaaaaa 480

<210> 832
<211> 319
<212> DNA
<213> Homo sapiens

<400> 832
tggagcctac tgacagcaac gtgacaaaac cactctcttg tttgctttct cctggactat 60
cctgaatggg gaagagaggg gtggaattac aagtaggttg cttcaatttt gcataaccct 120
ggatacccca ctgtgagggt gtgaggcatg tgaaagccat ctgtgttgga gcagaaaaca 180
agttgagagc tactgaatca gagcattcac atcaaagaat gaatgcaaac tggctctcac 240
caccagaagc catgttcaca gggagaagga gaatggacag agactctcaa ataaaccaca 300
aaacaatggt gaaaaaaac 319

<210> 833
<211> 249

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 833
gccctcctgc gcaagtaact caccatcttc ctgtgcccag ctatcaccac gacacctgca 60
ggtgagctca ctgcaagctt ggcgtcgtgg tgctgcgcac agccctcttc agcacacagt 120
gtcagcaccg tcctataaan tctccagcca gcctttgttt ctttgcagtc ggcatctctc 180
atgcaggctg ccctgtctcc ttgcaaccta ttttttctact ttctccaata aatcagcctt 240
tttctgcct 249

<210> 834
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 834
gtggggnnnn taanngnctg nttgaccgcc cncgtggagc tctggtgatt ttctgaggaa 60
aagnganctt gaccgactaa accgagagtg cctcagagag caaataccca tcggncacgt 120
acttctcnct ttccagacgg gcnctggnat gaaccctaac tgttcacaga ctcctccaca 180
ggcccatttt ctatgcnatt ctgtggnttc ctgantcttc atacccaaaa actangaaga 240
acctccagag gggacacacc gccatnatga gagcctggct gganctggac ttcnntcctc 300
tctgcaagat gaagcaccat ntcgaaatga acngcagagt ccgaccccca ctgctggtcc 360
agcgnggata tgaggtgtgg actggaatgc tcttttgcat tatncactgg ggccatgatg 420
tgccgaaa 428

<210> 835
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 835
taccactaaa agtggaaaaa cgattatttg aacccaggca ctctggcaca tgctttatga 60
gattcatttc tttgcaccct cagttaagga aagacactac cattcaaata gacaagctac 120
ataagacaga ctaccgtata cactnggaat cacgagtctc caatcaagaa agngggattt 180
tgtcgtctct tttcctgtta aagaaacctg ggtttaagac aagctcttgc taccttataa 240
aaccatttgg ctctaaatca nattaaggaa gaaaagggaa gaagcctaaa ggaaaatggg 300
gtcatggcaa aaaatatttc cgggacaaat gggtccacca tgaatggcct ggaaagaact 360
ggcttcttca ttttttaact tgggggataa aaagaagggg acatttcttc ccattcaaag 420
gaagcttgct tcttggaatt tgggtctatg gttttcttgg atgccatttt tttacttaaa 480
ccgccantta ccattagggg gttaaat 507

<210> 836
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(447)
<223> n = A,T,C or G

<400> 836
gtacacctgg agtcctaagc ccgggagaag agggcacagc cccacttcct ctggtaccag 60
tagggccctc ttcagagaca gacgtgccta ggaaggtgca ggtcctcctc tgctgaagat 120
cctcacattc caggggtgca agaggggccc ctgcaaagtc agtctgctca gacctaagtc 180
ttggtgttat ctacttaaca agtgaagggg ctgagaggaa ggtcagagtg actaacaaaa 240
ccagtcctga ggccttgaca cctgaggaca ggattgctgt caataaaaat gtagctgacc 300
ttaagagtca cagcctgaaa gaatctcaaa atggnctaaa gtatatggga agctttcttt 360
cttattctgg taccttaaaa gagcatggca aagagcactg tggggcagaa ggaaggatct 420
gaaaattcca ttctgatgag acatcta 447

<210> 837
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 837
gttccgtgtg gctgctctga gaattctccc accatagaga gatgggtgat ccctttgttc 60
tgcatgaagt caccaatcca ggcaccatgg aaggactctg tgaggagggc ctcccctctg 120
agaagatgcc tagccagcag ggacctcatg cttgagttca gatgggttgc cagacagatg 180
aaaactccag acatgacagc tcctcctctg aggctttgcc tgggttcttc cagccacacc 240
agaacagcac cccacctgca acacacaccc tcacccaagc cccaccagaa tactgcacat 300
cggctatgtt tgtcagaata caaaaacaga gacagttttc agaaagatat tctttattgt 360
cataagttgc cacgggtggg atggtcaagc gagctggcag aggctangan gaaatttttg 420
tgtccctggc tggagaagtg atctgggtgt cac 453

<210> 838
<211> 406
<212> DNA
<213> Homo sapiens

<400> 838
aggtgagttt ctcagagcat ctaacaggtc acccaaaaaa ggaggatgga aagagacatc 60
aagtcagaag aatggcactc acattctctc tctgctggag attaaccaca tgcccttcta 120
tgatgataca actgcagatg agcagagacc tttaaaatat gagctccagt ccccaccttc 180
ctggccttgt tgtggtatag gcactacggc cctgctcccc tttcctgagt caatcctaga 240
gatctggcac atccttcagg ggagatctag aataattcac cttctttgac atgctattca 300
ctatgcctag gtgaactctt ttccagcatg ctcccttact tcagctacaa tcttacttgc 360
ttctagctat gcttgcccag tcaatataaa cacactttga taccat 406

<210> 839
<211> 116
<212> DNA
<213> Homo sapiens

<400> 839
aaccaggaac cataatctca cactgggatt atggactgct gtcttctata tcactgctga 60
gccatggacg gagttggaca cagggcaaat aaaatgccac aaagttttct accatt 116

<210> 840
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(392)
<223> n = A,T,C or G

<400> 840
atccagagga agaggagatc tgactgtcat ctgcacatgg aacaacagaa actgattttt 60
taagatatgg tttcatctga tgcactgtat cactgcctaa gacagcaatc ccttgatgtg 120
ccagagattc tgatgcccct gtaggtgatt gctgggaact tgtttttctg tttcctcttt 180
tgggatcata attggaaagg tcctgatcac aaataatatt tgatggatgg gcagcatttt 240
cggcaaggac acttgcagtt tctgaaatat ttaatttgcc gattactggg gaagaaacat 300
agaattcatg gtctttgtct gtagcttctc taagatcatt ctctttctgn gaatattctg 360
gttgaccaat aaaagcaaca ggttgggatg gt 392

<210> 841
<211> 444
<212> DNA
<213> Homo sapiens

<400> 841
atacagagtt gaagagaaga gagcaccagg gatccaccag gcaactgcgt tacagaaaga 60
aagtcacgca caggaaaagc agatttctga ttctgccacc aggaagggtc aaagtctgga 120
cagcacttgg tcaggagcct ggcttccctt tcttgaaaaa catcacatgt aaacatctaa 180
ctgagagctt ggtacacagc aggctctgag tgttggcccc atcacgatga caaccaaggg 240
ctaattatga aataaggagg acacaagaaa agacactatc aaggatacag ttttttaaa 300
aaggtggggg aaagttcatc ttttttaaa aaagcatcca tagacttaaa atttttttgt 360
ttggggtctg taaaaaaata gcaatatggg tgaaacgcta tgataaaaaa ttgcccaaat 420
tcttgttatg ttaaaatggt actg 444

<210> 842
<211> 300
<212> DNA
<213> Homo sapiens

<400> 842
gttcaggaaa taactcacca gaaaatgata tctgagcaaa gacctaaaga agaagcagcg 60
agctatgggg atatgtgcag gaagagtatt ccagacagag ggagcctcgg tgaaagaccc 120
tgtggtggga gcatcctggc ttgctcatgg ggcatcaagg aggccagtcc acctgcagca 180
gagtcaggac agggctttgg ctttgtacaa gcttaattaa gacaaagaaa cagtaaaaca 240
cccagaataa aacactttat aatctggaga tcattaataa aactaaatac ggatttaaat 300

<210> 843
<211> 214
<212> DNA
<213> Homo sapiens

<400> 843
ggatcagttc tttgctcttt gaaacgaaga tgatccgtct cacactgaaa gtttcctatc 60
gtgaggttca gtgtcatcta gagtcaacgg atgaagtata agtgttcact gtggaatttc 120
tacaacacaa aaagaagagg ctggataaag aagataaact gaatattgaa actgttcctt 180
ttccattaaa aaatagcaaa aaagttttcc ctgt 214

<210> 844
<211> 422
<212> DNA
<213> Homo sapiens

<400> 844
gcaagcagaa ccctggaatg gcttcctcag accctgtcct gctcagactt cacttcctgt 60
cactctcccg ttgttcactg tgctccagac atgccactga cttgctggtc cagtagcctc 120
cagtcttcat agagaaaact ggagaggctg tcctaacttc acctcagcat tggccgtggc 180
agcgagggcc tgccctgtgt cttgtgcgtg ctcaccaccc tttcctctgt acctctgcat 240
ggcgcataaa cactaggcac agagacttga aaatcatcca tctttccaaa cctcaccgaa 300
ttcacaactg gccagcacta gagaggaccc tgacctcatg gctgcacagt cactgggggg 360

tgcagacagt aaatccggga tcactggaca agtcacactg caacaagtgc tatgggaatg 420
ca 422

<210> 845
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 845
tcccaactgn ggcactggan gtanagcagc aatgaagaca gatgtagtcc tggcattcct 60
caagcttata gtctaatagg aacgtctaca ctgagaaaga aaaaaaagaa aagaaggaag 120
aaaagaagaa acccttctct gacacttcat agacaaaaaa caagaggaga tgattattta 180
agttcatcag tgggagtggc acctgccctg tcctactctg gttactaggg aagtaacaga 240
ctccttggaa aaaacaacgt tgagatggag agggaagggg tgaaactggg aaatgctaaa 300
tctgaattca gagtatctgg cctcatcatt cagatatttt aagggataaa gggaagttgn 360
cgggnggaaa tctgaaggng aattaaataa ttggaagtta tgatgaattg ccattccatc 420
tgngtattgc ctttaatctc tggtctggct cttctacctg cca 463

<210> 846
<211> 230
<212> DNA
<213> Homo sapiens

<400> 846
gtgatgtaat gaggactcat atatatgcac atggagtgaa taaatgaatt aaggaatgga 60
tgggtgaaaa caacgaactg tgaatggtcc agccatcacc aataagacac gtaacaactt 120
ttcccacctc gcttcacgct gccaggcaac gcaggctggc attgttgtag tgagttgctt 180
ctgttcctca caagccagga tttaataaca gaataaagga atgaactcgc 230

<210> 847
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 847
gcttgccctt tggaagcagc caccaggctg tgaggaagtc caggccacat ggaaagacca 60
catgtagata ttctgaccaa caggcctggt taacgtctca gatgtcatgt gagtgagtga 120
gcaaccatat ccctctagca cccagccttc gagtcttcca gctgagatcc caggcattgt 180
ggagcacaga agcgtcattc ccccttgct ctgtccaagt tcctgatcca cataatccat 240
gagcatacta aacgattgtt gtataccact gagtttgggg gtaatttgct acacagtaat 300
aaacaattgg aacaaaaaaa aaaaggccag ngnggccaat tcaanttgga nttnaccnng 360
gtngacttng ttnaaagggg gggacttccc a 391

<210> 848
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 848
agagaagagg gtgtttccaa gggaaagctt cagaagccca agcccagcta actttctggg 60
aagccctgat gatacccca ggaacgcagc aactgcaaat caaacctcat caaaatggca 120
ccagctgacc ctcctctcca cccagggttt ctcaacaccc ctggcaggat gcgaggggat 180
gaggagtcct cgggcttgga cccccgaact gtggtcatca tttcatcaga tgccagctgt 240
gtagcaacaa gagttgctat ggaaaacaac cactacagca acagactgaa atcactccaa 300
aaaaggagcc gncactcatt ccaccaacat accactgggg acgcgggaaa gcaaaaccct 360
tgggttaaga acaacattcc cactcccctc cccagtttcc atcctagtaa aaattctcgt 420
gcttgtttgc atttttaagt tc 442

<210> 849
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(106)
<223> n = A,T,C or G

<400> 849
gtgangacac ancaagaggc accaccttgg aagcagacag ctttcanaga ggagnngaca 60
ccttgatctt ggacgtccct gcctncagaa ctgtgagaaa taaatt 106

<210> 850
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 850
ctaaacaagc actggcctca agagaagcaa tattaaaaca atttgcagct caccaccagc 60
cgctgactaa cggcgccccc ctgttccaac agccccanct acngctntga ttggacaaga 120
ggctgatttc agttancttc ctcctgatga gaaaaccaca gccatggact gattctggcc 180
gntttacana ggntgngnac ttggntgcct ttgagtccta aaaaggaggt gtagggccta 240
attgtaatac atgtaaatgt taattctnca ccccaaagca cacatggtta tatnacaccc 300
agccgtgtta natgnacaca tgcctcaaga ccaccttcat gagtatttga agctcttcgn 360
ataacctgtt gactatngta tgttttggcc aacctgttca actaaaaatt tctgtntaat 420
tncctctctc cctcaaaa 438

<210> 851
<211> 224
<212> DNA
<213> Homo sapiens

<400> 851
gaaatgaagg atttcttatt ctgaggaagg gagagacgcc gaggaagaca ggacttgagg 60
ttttactacc ttcgttattc gaactcccct ctaacttgtt cctgtactag aaacccactc 120
actatggaga aggaaggaga ggggctgaac tgatggacaa acgttgtaaa taataggttt 180
tatgtaatcc acatataaat aaattaatcg cctgactcgc tccg 224

<210> 852
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)

<223> n = A,T,C or G

<400> 852
ncacanntga gatcttggct gnttatgaan canggaacaa gcnccgnttt tnagaagcaa 60
gctcaagaga tgatgaatga aggaaggtgg agctccgaag accatgaaga actgctacag 120
aagaaaacaa gctttcaata aaataaaaga gacatcaatc acacatttta cccatttatg 180
aaacatgctc aggacaaggt actcagacgt gaagaagcat tcccaggaac catcttggag 240
aactggactt ggtaacatga gagctgggaa gtcccaattc ttggtcatga agagtctacc 300
acgaagagaa ttggtttgga aaccagaagg ctaactttta catgaggcac cagggcttat 360
gccccccaga ttttcagaga aggacaataa tggggtattt ctggatgttg aaatcctagg 420
attgatctga cagcacaaac caaatgccag cagtttcc 458

<210> 853
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

<400> 853
atgtttgcat cctgatgaac tgacaccact tggacccatg actcatacca aggaaataaa 60
tcaactggtc ctgtaactcc cacccagaag ctgactcggc atgcgaagac agttccaaca 120
ctcctgtgat ttcatctcca accaatcagt agcacccatt ccccagcccc ctgcctgtca 180
aattatcctt taaaaaccct accctctgag ttctcagaga ggtggatttg agaaatatct 240
cccatctttt tttcttttac aactggcaaa tatagatgag tctgtagcca taccagaccc 300
atgtggccca actttcacgt aacaaaagta agtacagngn tttttaagtt gccatnggac 360
cctcaaggtc atgtaatctg agcatgccca gatggaccaa gtgttcaacc acagagggaa 420
cctgattgct ctgactca 438

<210> 854
<211> 160
<212> DNA
<213> Homo sapiens

<400> 854
ttttattcac agatgaccag accaccagag agacctatcg aagtctacat ttcaaagaac 60
tttgcctcac cttggttgat aataggagga actacagcaa gagggtaaaa atttgttaga 120
ataatcttga taatggataa atctacatct gctatatccc 160

<210> 855
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 855
ctacctgcat taagtcanca actgaggaac caggnaacca taattctcan actagggnat 60
tatggacttg ctgtctntna tancactgct aganccatgg gcggagntgg atacagggna 120
taataaaatg ccacaaag 138

<210> 856
<211> 436
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 856
gtggggtctt tcagtgcctg ttttcccgcc cacgtggagc tctcatcatt tcctgagtaa 60
aagtgaactt cccgactcag ccgcaagtgc ctcgagagca gagacccatc gtccacgtcc 120
ttctcacttt ccagacaggc actggcatca acgctaactg ttcacagact cctccacagg 180
cccatttttct atgcgattct gttgtttcct gaatcctcaa acccaaagac taaatgaacc 240
tccagagggg accaggccag agagagcctg gctggagctg gacttctctc ctctctgcag 300
atgaagcagc ggccgaaatg aaatgcagag tcgaccccca nctggttgtt ccaggggga 360
tatcaggggc atctgtttct ttcttttgca ttctcagngg ataccatgtt gcacgaaatc 420
tgtggctgct tttgtt 436

<210> 857
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 857
tgtgtacang caaatttctg ttgtgcctgg gaagaaggaa atttgagtta aagaggaggc 60
ccgctccata tgccttgtca caagtacact cactgaaaca ttaattcacg aagagattgc 120
aacaagacca aaacgaaaga ggaacagggc ctgacaatgt tcagagaagg aaagccgaag 180
aagtaaccat ccccaagtta aaaatgacgt ggggatgaaa aaataggttg cctgttgtat 240
ttgtcattga aatgcacaat cttgtttact gtttatcttg agactctggg agctctcctg 300
ctgcttagga aaaaagaggc aaaggnttan gaagaaatgc ttggccttan naaagagagg 360
cnttagaaac cctagagaga atgggaggng taaatagtat gtgggcattt ggcaatcacc 420
acaaagaaat gggagacaaa aa 442

<210> 858
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 858
ttcctccagc ataaaaacaa gacaaagttc ctgcagagct gctctaaccc aataataaaa 60
ttggacaata agctgcatat ctgccggaaa cctgggactg gcaatggaga tgagaagaga 120
atcagaaggg atatgtctga tgacatagaa gctgtggaat ccattcttca gggtctaaac 180
tcaagcctgg tccttagttc tccgtactgt attcttcctg acctccagac ctgagcgtcc 240
tccccttcaa aagacaaagc catccaaaga gtctgagcac tccaagtgag cagcttgaag 300
agtgagagac gtggacagag ggaagggcag gtctgngcaa cctgngggcc ttaaacccca 360
cctntggcct tntccagnga agccacactc angatttaag agaacttgtg atcaacttgg 420
ggtatttgca ccccacgaaa aga 443

<210> 859
<211> 312
<212> DNA
<213> Homo sapiens

<400> 859
gctgggagat taatgctgtc ctcaaagtga agagtcacca ctacttgtca agtcatgtca 60
tctctgcagc cacgtgcatt ttgtaagctg ggaagaataa acagacattt ctgacatttt 120
tgcttgagat ttaacctcag cgcgtcaaga gatagagagg ggaacagaaa taaataaaat 180

gtggctaaat aaggactgtt tatcacaaac acaaggcaga gatctggtga ccatatctga 240
ctttgaaatc tgtgtctcca ggaagaggaa catcacacac cagggcctga tgtggggtgg 300
ggggaggggg ga 312

<210> 860
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G

<400> 860
tgtctcagat ttcaggagaa ctgtgaccca tgcagggggt ttgagtccca gtgaaagtgg 60
agaccctgtc atcctgagaa tcgtccccag ggggaaacca tctttttcta aggcggaatt 120
tctcaacggt ggaactactg acattttgga ccagtgttca tggaagcctg tgttgagaga 180
gccacagagc aaagtatctg ggaccactga gtcaccatat ggaggagagc tacctggaac 240
attcagggtg gacttcgtat aagtgagagg tcaacagatg tcctctctgt tcctggtcac 300
cgtgctaggt gtggaggaca cagagaggga gaagaccttt ntngcttttt gggagctanc 360
aagccggtag aaaacttnta agcaggaaag taaaatgatc agggttttaa aactcaat 418

<210> 861
<211> 262
<212> DNA
<213> Homo sapiens

<400> 861
ggttgttagt ggacatcatc cgagcaaaac ttgaaaagtg cttatatgac tgggcttacc 60
tgtacatgtt cctgctttta catgagaggc acatgcctcc aatataacca ctggtccaag 120
aaagatagga aatacatgga gaaaacctgg tttctatctg aagtttggag ccaccccaac 180
aaaaaaaagc ctgaagaagg ggcactccaa gccactcaaa aacacatgag caagaaataa 240
atgcctattg ctgatgccac tg 262

<210> 862
<211> 298
<212> DNA
<213> Homo sapiens

<400> 862
gacaccacga ggcgaaggaa ggaagagcga gcagatgtga gctcctaagc acggccgtct 60
ccacccactg ctgcactcct cagccttccc agacacagcc tggtttttcc tactgcacat 120
ggcactttca tgaaaggccg cctgttctca catctatctc ctgaaactcc tttaggagtg 180
gagacaaacg ggcacaagta acttgagttg taaagttcag gaaaatttag ataagtgctt 240
gatcataaca catcagctgg tttaatggac catcttcgca taaaacactt catccttg 298

<210> 863
<211> 156
<212> DNA
<213> Homo sapiens

<400> 863
gtctgaggtg aaaccagata atttgctgaa catctaagaa gcttttagga aactacactt 60
cggaggagag tgctgtgcat tggaaaattg gaaacatctc aaatattaca tgaggctttt 120
gcaggcggga ttaccacgca gcttcctgct cctgcc 156

<210> 864
<211> 12
<212> DNA
<213> Homo sapiens

<400> 864

attcttgcca ag 12

<210> 865
<211> 180
<212> DNA
<213> Homo sapiens

<400> 865
gtgcttcctg tattaacatc cttgcaagtg gtacctgcct ctctgaggat ccagctacgc 60
aatgaatctg agaaagctta aaatcggaaa tgctgctcta gtaatggttc tcaaaccctg 120
gtggtcttga catacaggtc ttattaaaac acagttgctg ggctccacct aaaaaaaaac 180

<210> 866
<211> 182
<212> DNA
<213> Homo sapiens

<400> 866
gatctgggtt ggaactgctc tgcaaagata agtggaagaa actgtttatt tgtaagagaa 60
agaatgatga tggcagaaaa aggagagctg aatgcagtca ctaagaaaat tttgcaccct 120
gagactccgt accacgatcc tgtaacatta gcaattatga aaattattaa atggttgata 180
tg 182

<210> 867
<211> 457
<212> DNA
<213> Homo sapiens

<400> 867
ggatttgcgt actctattat gaatttctct ttgagaaata atacctgtga gaatgctgct 60
ccttcaatta ggttcaggat tggaggaaaa atcatataaa atagttggta atctttcttc 120
tctagaaagt ggcaacgata tatagtactg ttgaaccatg cctgccagtg tcaattcctg 180
aaatggcaaa agaaaaggga agaagagaag ataatgctat aatgatcagc tcccaaacct 240
ctacttaaag cataaatgga gaaaagaaag ctcggtgtag tgctacggaa cactattcgg 300
cattaagcag agtaaatagc ttagtcaaca gtgtgggcca ttgtcagtct ttatttgtca 360
tctctcactg agtgatcaca actcagcctc ttatgtgtcc tggaagtgtc caatctccaa 420
gttaactatt tattaagagg agatgcatct taaaagg 457

<210> 868
<211> 259
<212> DNA
<213> Homo sapiens

<400> 868
gaactccggg tgaggacgac aagagctgag ctcgggtgct tgccttctgc actctcggga 60
ggaggcacca gcatgggcac ccttcacagt tcgggcccct cactcacaaa cgtctggcac 120
atggaaacaa gctggcaaaa agattgtttt tttcttccgt acttttgtt ataagcctgt 180
ggtgaagtgt ccatatctgg cataaatgaa tgtgagtggt cttgggaatc taaatataac 240
atgtttctaa gttacacac 259

<210> 869
<211> 436
<212> DNA
<213> Homo sapiens

<400> 869
gaaggaggct gccctgcctg gagtgaagag tgcatggagc agtctcagcc gacccaggtg 60
ggatgcgtaa catggccgag aaatccaccc atgctgctga gagctactgc gccatggggt 120
catgtgtcac ctaactgact tagcccagcc tgactgatcc cccgtgtgtg accagacatc 180
agcacattca gaggacctca tactgggaat tggtggacct ttcagaatgg acatgaccac 240
tcaaagtagg gacattactc gctatttgat ggcccatgtg ggatcaaagg ccactggggt 300
tccctcaagg cacagcacac ttagaatccc ataagtcctc agttctaagg catgtatttt 360

tcatactttt gataattctg aaatcaaagt atagctttct agtagatatt aaaactcatt 420
ttcagaatcc tgcaga 436

<210> 870
<211> 458
<212> DNA
<213> Homo sapiens

<400> 870
gcctgggatg acctctgcct gttttcaacc attattgatg cgcaatttat gagaggatga 60
tgtggcaaaa tgatttgaaa attggaagtg atttactgca caacttaaat attttgtctt 120
atcattacag caactctata agtaattaat tctggcacca tattttacaa agaactttga 180
caaattggag cccatccaga ggagaacaaa caatcttgtg aagggtctgg aaaccacaac 240
ttgtaaggaa tgatggaaag agctgaggat gtttaccttg gaagagacac attttaagag 300
gaacatgata gctttttaa aaacactgaa aagaactgtc tggtggaaga gagatttgat 360
ttattcaatg ttactctgga gtatacattt aaagccaaag agtaaaagtt aaatcttaaa 420
ttctctatga tctaataacc aaactttccc aaaccaac 458

<210> 871
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 871
ccttgagaca agaactcaac ctggtcaata ccttgatgtc ctgaggctta tgatatcctg 60
agaagaaaat ccagccacac caggacaggc ctctgaccca cacaactgtg agctcatgaa 120
tgggtgttgt tttcacagct cagtcagtgc tgttttgtta cagagcaaca ggaaacgaat 180
acccccctcca cgcagatctt tttctagagc aattaattat gcatacggaa cggatgaaat 240
gtgctaaggg accagtgaag aagctgacgg tgtcctcagg atgaaataga gagggaaaga 300
aatgctattc attccacaaa catttccacc cccanggaag gccctccttc ctgcatntag 360
ccacgattca aggaaaggtg aactcacagg aaaaggagac taaagttctg atagaggaac 420
ttttaccata ggctaccagc cattctttcc 450

<210> 872
<211> 426
<212> DNA
<213> Homo sapiens

<400> 872
aaacctgaga ggaagcagaa catgaaagca agaaatctga gagcaaatgc agcctttaga 60
tgagcttgaa cacagaagag aggcgatcag aggagaagat caaaggctgg ggaaggaggc 120
tcacaaggac ttcccacacc agctgacagt ctgtgcagag caggcctgtg cttcctccct 180
cagaaggcag ggctctagca gaatattagg aataaggcat ttctctctta atacagaaga 240
atgaacagtg tcatgtgtgt tggtaattgg taattgctag attgataaat aaatagggca 300
tccaaattca tttctttaat tcttacccta atttttgcat cttccattta taaaatattt 360
taatcatgtt ttatatctaa gcttatatgt ttttgatatt actatcaaaa aataatttaa 420
ttagcc 426

<210> 873
<211> 321
<212> DNA
<213> Homo sapiens

<400> 873
ggtctcactc ttgtcaccca ggctggagtg cagtggcgca acctcagctc actgcagcct 60
tgacttccca ggctcagaca cagactcaga aacttgagac aacgttgccc aagatcattc 120
cacactgaga aaaaaacaca ttagaggcag cagtgttttg aataggtgca tggctagtgt 180
taaataatgg aaagaaattg gaacaagagg caagttgtga agtaaaagtc acaccctggt 240

atgaaaacct gttgtcactg tagcgaaact tgctaattac agaccggctc catcagtagc 300
ttcacaatgc acaaaatcac c 321

<210> 874
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 874
aaattcctct ttttccctga agaaagctgc ctcactgaag gacactccac cttcccaagg 60
gcagcctaca atggtgtcca tgctgagcac acctcctggt gaacctatgc actcaaatct 120
ctgtccagca cctgcttcct ggggaatcaa ccgaacagat gatgccagga gtagtctgag 180
aaagaagatg ctaagatggg atctgaggct gccagctgac cactgacagg caatgagatc 240
cccgttaccg ttggtacacc gagctgataa agcccctgac acaagatggt gatgaaactg 300
gcaaaacttc caatgggggt taaaatggan gggnntacag ggggaaggaa atngnntttg 360
gggtaaaaat a 371

<210> 875
<211> 433
<212> DNA
<213> Homo sapiens

<400> 875
cacctgagca acacagacgg tgtccttgtg agagaaacaa gcagcttgtg ccctcagagc 60
aggaagacaa agagtaaagc ctttatccca ctgtttggac acacagtgac tccatctcat 120
tgaagcctag gtgatgcact taatcacggt ccaggatcca ccagctatgc aggctcgggc 180
tagaaaacag attgcttcac accatccaga gctcttcagc agcctcacat tgcagtcagg 240
ctgcaactgg acagatggca tgcagggctc agatgtggca cagttgggaa gcatctgggt 300
cccactcagg atacaacatt gaaaacatca gccacgccct gctggatgag ccagggtctg 360
atgaacgggg acttgctcag cctacaggtg tcccccagcc atcttttctt caccagcaca 420
aaagcttcac tcg 433

<210> 876
<211> 328
<212> DNA
<213> Homo sapiens

<400> 876
gttcgtggtc tcgggggctt acatgaatga agcttcgcag accttcgcga ttggccttct 60
tctctttctc tacaggcagc aaagaatatg ccatctacag ccttgcttag caacctcagg 120
agaaagggag ctcttctttc tctagagtcc atagtgcaat cccagagaag cgttgattag 180
ctgtgctagg gctccatgcc catccctgta tccagaggga catgttctac aacttcgtgc 240
aaattaaaaa caacacattt ttgaggagga cagtagagta tgctgggcaa actaaataaa 300
taaaaataaa taaaccaaag tccactgc 328

<210> 877
<211> 404
<212> DNA
<213> Homo sapiens

<400> 877
acaccaacca aatgctgtct ttgaatgtac ctactgacat tctcaccaga aatatagaaa 60
tcatctgttt tcccacaacc actccaaaaa gactctacac atactggatt taccactgtt 120
cagggaaaaa gcaagatcat ctcagcatgt ggagcaagac ctgtgatgcc atcttcttgg 180
accatctcat tttttagttt acttttcgcc atttttatag agaaaacctg agttggctag 240
tggcagaatg gttggagctg ataactgcaa agagtacatg tgaaatgcta atatccatgc 300
ctctgaaaca ggatcattac acagagggtt ggggaactcc agttattaag tatatgtaac 360
tcccattcct taataatgat atttttaata aactcttttt tctg 404

<210> 878
<211> 450
<212> DNA
<213> Homo sapiens

<400> 878
gtggatgatc aagagccctc atctggaatt agacctatct tgcttgttca gatccctgaa 60
ggagaaaaga actgctggta tcccaacctc aacgcagcaa gtttatttta tgtgttttac 120
atgatgtcct gatccaaaag ctggtttttt aacaacaaga ttcacaagac gaaaaaatat 180
tttaaaaata tggattgact gcttggagaa aatttaaaat cttttgagca gcactgactt 240
tgaagtggaa ggatataagc agtgggagct gaagttattc agatacacag agcaaggcct 300
tcggacgaga gctttgatga gtcctgaagc aactgaagtc atgaatacgc ataagctata 360
acttacaagg caagctattt gggacagaag ataaggcatc cacttcttag gaaaaatgag 420
ctacgcgctc tacggtgtct ggggtcacat 450

<210> 879
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 879
ctatcctact ttggagaaga cgctggaaat tcagagtttc tgccagagaa tatatgcctg 60
aactaaaaga ggaagtggcc tataggagaa aatgaaatat gattgtccct tcagtgggac 120
atcatttgtg gtcttctctc tctttttgat ctgtgcaatg gctggagatg tagtctacgc 180
tgacatcaaa actgttcgga cttccccgtt agaactcgcg tttccacttc agagatctgt 240
ttctttcaac ttttctactg tccataaatc atgtcctgcc aaagactgga aggtgcataa 300
gggaaaatgt tactggattg ctgaaactaa gaaatcttgg aacaaaagtc aaaatgactg 360
ggccataaac aattcatatc tcatggngat tcaagacatt actgctatgg tgagatttaa 420
catttagagg tgacagcatc ccccacactg gcagtgtc 458

<210> 880
<211> 274
<212> DNA
<213> Homo sapiens

<400> 880
aatgacccca cctggactcc tgcctcaaga cttaacatcc tgtggcccta tgcagaggca 60
gactcatcac accaggactg tttttcacac tccaatcatt ttttttccct gaccaatcaa 120
cattccccat tccctagtcc cccacccatc aaactatcct tgaaaaccct aaactccaag 180
cctttgggga aatacatcaa tttgaataat aactctgtct catgcatggc atggccagcc 240
tcctgtcaat taaactcttc ctttactgca atgt 274

<210> 881
<211> 265
<212> DNA
<213> Homo sapiens

<400> 881
ataaatatgt actcaaagca ggtggctcaa tccacttatc agcatttggc ataccagggt 60
tcaatgggta atcacaaaga agaacggggc agagctagag aacagagaga acgctttttg 120
tgactcaagt gtgcagaagg taatcaactc ttcctaagga tcagatgatg ccacttggcc 180
ctacaatgtg atatcttcag tttcctacat tcagtaaaac ttttcaagac tcagcctcat 240
ataatagaat gttactcaac atttg 265

<210> 882
<211> 278
<212> DNA
<213> Homo sapiens

<400> 882
tctctgcacc ctacaataca ccaactggca gttccatcat ttgaaagaaa atcttcaagg 60
taaagacatt tacaatgaca caaaaacctt tcaaaggcat catggtccta aagggctttc 120
cccaagggac agcacagtgt gttccaggcc ctgacaagag gtttaagacc tgtgacacag 180
actgaagctc tcctggcata ctctgaagct ctcctggcac cctccccttt atgcttcaca 240
ggtgtttctc ctaataaatt tcttgtatgt ctcatccc 278

<210> 883
<211> 312
<212> DNA
<213> Homo sapiens

<400> 883
gttttcccga ggatgactct ggctgccctg acagccccac cacaggggac agcagcattt 60
atttgacttg actaggattg gaacttccag tgatctacaa tctccatatg atctctgttt 120
ctacaaggaa gcaccttctc catgaatatt atgcacttag ttaaactgag ccatggaaag 180
ccaatcattc attcaacaaa tatgtacaga gtgtcaataa tgtaccaggc aagaaacaag 240
gagctgcgct ctttcttcaa ggaatccata gttctatcag tagaaggaat aaaatattct 300
aagtgtcttt gt 312

<210> 884
<211> 123
<212> DNA
<213> Homo sapiens

<400> 884
ctgtatcaaa tctggattgc aagctggcct tctgattgaa gacgtcagga atgacacaca 60
acagcctacc atcctcattt ccactgctct gctgaccagc ctaaataaat aactttaatt 120
ttg 123

<210> 885
<211> 450
<212> DNA
<213> Homo sapiens

<400> 885
ctcaaaatca cctgtgatat ctgcagctgg ctttgcagag cttgtagatt tgggctgttg 60
accaagacag aagggaaatc agggatcgtg tctgcagccg aagaaagaag atgcaggcga 120
tagaggaggt ggagaaggag tagctgcccc ctctttccta cctgatcatc agaggggaag 180
aagccaagac tcaaggagtt aagaactttt ccaagggtag ctattagcca ggactcaaac 240
ctacatactt gaatgaattt ctacaacctg ttattgaaga ctaaggaggc ttctcagcct 300
gggctggatc ctggacagac aggcccaggc aggctgtgca ctgtgacctg gggccttgct 360
tgtgaacaaa gaggacttca agaggagatg gcctggagga gttcgccttt gtggtcattt 420
tgcttcagtc cgtgacaacc tggcttctgc 450

<210> 886
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 886
agcgtaagat cttcaaggac tgtgtgttgt tcatctttgg actgtgtgac caccccaccc 60
ccatgctgaa cactgtacct ggcttagtaa gttttgctaa attcatggat gaatgaatga 120
aatgtgaaga agctccggat gatgccaagt tgcaagggaa agccaagaac tgaggggaac 180
ttttgggagg catgaaatgg aagaccaaaa aagccactct gcctccatgt actcttcgaa 240
ctttccaana ataccatgct cttcttgagg acttttgcnc caanacaggt ntttctttan 300
annggggcncg ggggccaatc ctggnnaatt tcttgggcct tggggttgna aaaaagncct 360
nccttgggaa gccggcccca aaaaancttc cggttgggga angggaaatn ccctttttnc 420

caaaggggtg ggccgggacn cctttccttt ngggggggaat ttttttttccc taaaaccc 478

<210> 887
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

<400> 887
tccttcctct ctgaagccag gatgaaataa cgttgcgatg taatacaaca aaccatatac 60
ttccaagttg aaatgacagt aaaatggtgt gatcttggct cactgcagcc ttcacctcct 120
ggactcaagc aatcctctca cctcaggctc ctgacacacc agttgcacat tcaggtgaaa 180
attcaggaag aaaagaagcc gtctacatcg cggtggatgc cttggcttat gaaaactttg 240
tgggttcttg gtctcgctga cttcaagaat gaagccgtgg accttcacgg ctggctgaga 300
ttttatatac acaaccacag ctgtagaccg ggatatttac tgcagtgccg tctgagatgt 360
taaaagaata taccaagccc tattaattat tcagaatata ggagtgatgt ccttcttctc 420
aaagcacata tagttcacat ccccaggctt aaattattat tattgctatg ntggagctgg 480
gtttaaaagt tcgtgaggag tgattggtaa aatttcanga attgngcaag ncagttggta 540
acacaaccct tatgtaatta tagaaactta caattaaata aattatggta aaaaccaang 600
cataaatctc taactc 616

<210> 888
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

<400> 888
gcttgaaccc agtgctgacc ccctcccaag aacttcttgt tcttgcttcc agaggattgg 60
aactgttcca ggggtagcac ttagagagca ggacatgccc ataagcttga ggaaggtact 120
gcttacaaga aatgagtcac agcaactcca ttgcttccaa caacaaagtg gatgaaaaac 180
actcaagccc cactaaacaa tactcggagt tttgctgcga cagactggtt agactatttg 240
gacactacca tgaagactat atccaccatt ctgccttcaa aggaggagac tgcagagaga 300
aaaggggaag aggaacagga ggaaaaaggg ggaggggagg aagtggagga ggggaanaan 360
gncntnntnn angaaganat ntnnnntttat tgccatanaa atgacngnnn gaatccattt 420
tttcctg 427

<210> 889
<211> 572
<212> DNA
<213> Homo sapiens

<400> 889
atttaccgtg aagatgctga catgtgttag aaacagaaaa tccagctcat gtggtttaga 60
cggagacgtc tctcatagca ggaaattcca ggtgagggca gcaggatttt ggtgaattgc 120
ctggttgtgc caccaaggac tcctgctctt ctcatcttcc caggcggcca ccccagggtg 180
aagatgctct tccggccacc ttctcttata agtgcaaagg gctgcggagc accaggcatt 240
gcatccagac agggaatgca acattcacca gggaaaaagg agcatttcct ctttatgttc 300
ctgtaggagt gagaaaacct ttgccagaca acccccagca ggcttcctgt tgggactcat 360
tgacttgagc ttgtttgaag ccaattgttg gaaagagaaa tggagttacc aagattttct 420
caagagacag agtttaccct tagccacaca aagtggatac ctgaaccagc aaggatagag 480
agggcatggc tgctgcattg tcaaccaaca gtattcacaa cagaatgaaa aacaattcac 540
atttactact gaataaagca gacactcctg ac 572

<210> 890

<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(622)
<223> n = A,T,C or G

<400> 890
acaaagacag tcacagagtt aacatgtttt ctgaggtcat accactaaaa gtggaaaaac 60
gattatttga acccaggcac tctggcacat gctttatgag attcatttct ttgcaccctc 120
agttaaggaa agacactacc attcaaatag acaagctaca taagacagac tacgtataca 180
ctggaatcag agtctccaat cagaaaggga ttttgtgtct cttttcctgt taagaacctg 240
gtttagacag ctctgctacc tataaacatt tgctctaatc aattagagaa ggagagccta 300
agaaatggtc atgcaaaata ttcggacaat gtcacatgat gcctgaagac tgctctcatt 360
ttaactggga taaagaggac atttctccat tcaagagctg cttctgattg ntctatgttt 420
ctgatgcatt tttactgacg caatacatag ggtaataaga tactcatgtt acagacacat 480
tatgtaataa gtctgnatcg gttatatcct tatttggttt cangaaaatc aaggtttatt 540
tttacttctg ngaaacaatg ncatttcaac ttatttatac atattccttt atcaaggaaa 600
taattttatc ctggatatcc cc 622

<210> 891
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 891
gcctcccctt aaaatgtcat cttggaggaa tggtatggcc tgaaccccag cccgagtcgt 60
cttccacagc gccatcctgc tttgctttct tcccagcacg taccttttgga atgatccgat 120
ttctcactaa ctgtcctggc ccccttgaat ggatggccca gagagacaag gcctccttca 180
cagcggatgc tcagaattta actaaatgat ttaacganta aatttaggta aaact 235

<210> 892
<211> 231
<212> DNA
<213> Homo sapiens

<400> 892
caagactgcc tttctggccc tcgttccttc ttcctgtctg ggactctagt gaacatcatc 60
tacgaaaggt tctgatcaga aaaggcattt tcagagctga cactggctgt tgaaagaaaa 120
gaataaaaag cttgagactt tcagcatcct ggagaaagaa tatgcttcat ctacgcacct 180
cacacatatc tgacttgaaa tcagattaat aaatataata cttccacaag c 231

<210> 893
<211> 213
<212> DNA
<213> Homo sapiens

<400> 893
atccagtaaa gactgcgcgt ctgacacctt taaaagtctc aaaaggaaac atttaccatc 60
tgttctttct gagggaggct tcatctatat aacaagaaga ccacctttgc tagccaagcc 120
acctttttc ccccttccca caaactgttt taccagaatc caagccccca ttctttctgt 180
aacctctaaa tggtatataa atttctgtaa ctc 213

<210> 894
<211> 138
<212> DNA

<213> Homo sapiens

<400> 894
gacgttctct gcaggcgaat agtttctgca ttacaggatc ttctgcaaag gcccatcaac 60
tcgtcaatgg acagcaccaa cagtttgcac tctaaaattt tttgaatgcc tctcattaaa 120
atcctcctct tgctgctt 138

<210> 895
<211> 219
<212> DNA
<213> Homo sapiens

<400> 895
gtttatgcta caagttactc cagttctaaa ctgaatggaa aatggaacca ggtgatgtat 60
ccatgtgaaa agagacccac cactggggat gagtgagcta gtgaaacgct gctgcagaat 120
gaggtacggc tgagacagcg gtgaaccatg gacaggaggg aggtacacgt gaatagacgt 180
ttatgtgttt tatgctaaaa taaaatgtat aatgattgc 219

<210> 896
<211> 453
<212> DNA
<213> Homo sapiens

<400> 896
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atttgttggc tacaaggacc tggaagccac atgtggagat ggtggaatca caggctaaag 120
agtagtcttc attggaagtc acctttgaaa acagaacgtc acttttgttt agcactgcaa 180
tactcttcac cactctccac ttgggttctc cctgttttgc acactgtaag aaaatgaatt 240
aaccaattaa ttagcccccc gtggctgagt tcttaaactc tagaaggggt acagagagat 300
cctacctacc ctatggatgg cagaaatggc agctgacatg agtttcactt cctcatttat 360
aaaatagagg atactaacag gcccatcttc aaaggctgtt gtaaagatta aatgagttaa 420
tatatgcaaa taaactggaa cagtgcccat gac 453

<210> 897
<211> 184
<212> DNA
<213> Homo sapiens

<400> 897
ggttgcggga gcctacgaag gagaggggct gagccttata aaaacttggg cacataatct 60
gtctaatcac tttgaagatg aaaagttgct gtgaaatgcc aaccgagctg atgggaccag 120
ggctggagca gagatgaaga gacacagcag ggccaattgt gcaaaaataa aatgcatatt 180
tttt 184

<210> 898
<211> 90
<212> DNA
<213> Homo sapiens

<400> 898
caaaactcca gtctgtcatc acctctgaca tgcgccaaga gctaccagga atgatgaagt 60
atatttcaaa taaactttcc tattaaagag 90

<210> 899
<211> 452
<212> DNA
<213> Homo sapiens

<400> 899
agacccacgt attgagggac tgaagtttca gcagcacatg ggtgaccttc gaaatggatc 60
ctccatcacc ttcagatgac tgcagccctg gatcacaact tcaccacaac cttgagagtg 120
accctcacct tgaacctccc agccaagctg ttctcagaag gccagctaac ttccaaaatt 180
acccaaggat tcatcatatc aaggggcaaa tggcttcctg tttctctctg tgtcctctca 240

gggcattagt gtctggccct ctctcaaggt acctgaatgc tgggagcctg aatctgacaa 300
tgcccattgc acctcacaaa tcagcttgag acaatgctta catatgttcc ccctgcttca 360
tatgtctcgg ttatacttga gtgacgctca tatactttta ccccattttg tatctctcag 420
ttatacttga ataacgctca tatactttc cc 452

<210> 900
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 900
gaatggaaac tagggctcag aggtttcact tgccagaagt cactcggtcc ctgggaagga 60
tgcaaaccag ctcacctggc tctccagcac atgcacccca gaccaccccc aaggatgtga 120
cccattcctt ctgtggagtc tgatcttcca aactttagac aacagctcct tctgcaagct 180
ttcgagcctg caagctaagg acatgaatga actgagtcat ccccacagag cttcattaat 240
tttaaggcaa tttaagattt ctgagtcata ggtttcagtc atttagattt tcccagctgg 300
tactgtactt gcccacacac acttttcttt aaagattgca tctgtctaga tgtgtggttc 360
tgcccaccct tcctcagttt ctgagaagaa actcgccctc gtggagtgct acatgcaggg 420
ctaagccatt tccatttgcc acgtgcatta gagtctttgc ctgagggatt aatgggatta 480
gcagtctgca gcttgatcta gactctatcc accagagaca tgcacaattc caaattctat 540
atccaacaca atattttacc cagtcttccc agaaaattca gttatgccat atggngactc 600
cactcctgaa taatatttaa gcaacttgat gaacaa 636

<210> 901
<211> 477
<212> DNA
<213> Homo sapiens

<400> 901
agcagtagga ctcaacgctg aaagagaaga ggcgggaagc taagaacaca aagagaagcc 60
atgcagggat tcacaaaaac agcaggcagc cagtgttgct gatggaatgt tggaggaagc 120
tgtcttgttc agcaatacag gaaaaatgac tgcagtgaaa gaaaatggaa caagtgcata 180
cattgacaag aaagatatgg attcctatac acaaagactt ccccttgcca gatggcaggg 240
gtggcatttg cagatgatgg gcagaggggc tggccctccc acattaggtc agattggcta 300
acagtcattc cctggcagga aggttcccaa ccctgggtgc attgcaccat catccgtgaa 360
agatcatttt attttaaaat cagattcttg gttacaccct agccctacat aattaggatc 420
tctggggatt atatcctgcc atttcacaaa tattaaatgc cattatgctg ccttttg 477

<210> 902
<211> 294
<212> DNA
<213> Homo sapiens

<400> 902
aagacaatgg gatggatatt tggatcagag tatgagttgt ggatgaagag ggaaaatttc 60
tcctactggc actgtgatga ctagtgcaaa cctacgctat ctacaatgcc ttccctgtct 120
tgcggctcat tctttctgaa gccagaacac ttagagtggg tggggatagt agggagaacc 180
accatgctgc aatagcaaac cagctccaga gaagggtctt caaggggtgc taataatact 240
ttctgacaat gaatcttcac tgtggggata taaattatat gcatcctaaa cttg 294

<210> 903
<211> 433
<212> DNA
<213> Homo sapiens

<400> 903
gacattccta cattgattgt caaggtgttg aaatttccac catgtagttt tttctccaca 60
ctcacagaga ggctcacggt aaacctccta gagcatctta ttaaaagaga aacgctacag 120

ccatagtcac agatgagctc tggtgactaa aatcccacct accactactt gactgttgcg 180
gtccctgaag cctacaaaat cgcagaatga ttgctggttc tcaaacctct aggttacttt 240
atgattggga attttacata tatccattgc ctgaaatgcc cttagcatct attacccttt 300
gagacttagc ttcaatatca agtaatgaag cctttcttaa gtacctagag aaaatcagtt 360
ttccggtctc tcatgctacc tttgtacgca cagctttctg ttgttacctt ttcaaatcaa 420
tcatttcacc att 433

<210> 904
<211> 437
<212> DNA
<213> Homo sapiens

<400> 904
gtctcagctg tgatgctcct cggaggctgg ctcctgttgg ccttcaatgc aattttcctc 60
ctgtcttggg ctgtggcccc caaagggctg tgcccaagga gaagcagtgt tccaatgcca 120
ggggtgcagg cagtggcagc tactgccatg attgtgggtc tgctgatttt cccaatcggc 180
cttgcctccc cattcatcaa ggaagtgtgc gaagcctcct ccatgtatta tggtgggaag 240
tgccggctgg gttggggtta catgactgct atcctcaatg cagtcctggc cagcctcctg 300
cccatcatca gctggcccca cacaaccaag gtccaaggga ggaccatcat cttctccagt 360
gccaccgaga gaatcatctt tgtgccagaa atgaacaaat aaaaatctcc tgggagtagc 420
acaaagggca caagtga 437

<210> 905
<211> 237
<212> DNA
<213> Homo sapiens

<400> 905
caagcaagaa gatatctgag aagcctgaga cccatgccac agttccccca aaggagcaag 60
ggaatgctgg aagttactga aggagaggaa agcatgtaga atccctggat ccaaggcaaa 120
ggaagaaagc actagaattc aacttgggtc tgcaaaaatg aaccacagga agacctagac 180
aggctttggc atcgctatca tggtaacctt tgctactcat aaacaacaat tcacaag 237

<210> 906
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 906
gcacactgga cccttccgga aagatcgcag gaagcgagtc agagccgagt ctttttcgtt 60
ggagcttaca ttctaggcaa ataaggtcat ttccgccagt gatcagtttt catgacaaag 120
aacatacaac tgtgatgcag tggactgaca gaaggaccag ggaaatgggg ctgctctttg 180
ggatgcgaat ggtgacatct tcaggagaca acatctggtc tgagacttga ttgaaaagaa 240
agtgctcaac ttctgaaggt ctgggggaag agaggctagg cggaaatcag ggcttgtgca 300
aaggccccaa ggcagcaaga gctcctgtga tcaagaaaca gagagaaggc cagtgtggcc 360
ggggcatgtg gaggcgtggc tgagccttgc aggcaacagc gagccagaag tcgggctttt 420
attctgagtg cagtggaagc cccttggggg ttttcagcag gacaggcagt ggcatgaaag 480
cagaactgag agagctgggg ttacctccac tgggtttatt ctctttccac attctctgga 540
agacactcca ctttctttct ttaaaactgn aattnccctt ggttgacttt aataaccanc 600
caagaacatt ttttcagctg gttaaatttt ttt 633

<210> 907
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(647)
<223> n = A,T,C or G

<400> 907
attatatctt ggccaagcac agagattccc tgaagggtcc gctcaagaag caggaggtgg 60
attcagcccc acagcttccc aaagtggacc tactgacggt gcctgcagtc gacacgcaga 120
tggagacgcg gcccatgacc ctggaggaga tggaggaagt gggcaagcgg taccgcgagc 180
ggcagcgaca gcacaagctc acgatcccct ccatccagta cacggagcaa tgtcacctgg 240
tgcgctgtgg gaatcggcac tttgatgagc actgcctccc gtccaccatc cacggggata 300
tgagggagct cattgactcg gcccgcaggc acaactttct ggtctacctg caatgctgga 360
agctctgtaa gtcctatggc ctcccgctga cagaggacat cctcatgaaa gccttgctgt 420
acccaggaga cgagatcatt ttccagatgg acaaagtgtg ccccatccgg cagccgggag 480
gctactactc tgactggaag gtcttttctc cgaatctggc tcttgctccg gtcccanggc 540
ccctggaaaa cgcccaaaga aaagcaagaa aatgcgcttt taaggagttg aggaatttac 600
cangaagctt gaanggggga anggncccag ggcttgaagc aaacaca 647

<210> 908
<211> 298
<212> DNA
<213> Homo sapiens

<400> 908
attattgaca agcaccgtgg gctcaatggt gtcaagttgt acttgtggtt tcaacacccc 60
gcagcaaccc acgtagccgc tgggccctgg attaggaccc ccagtctggc agtgcttatc 120
tgcccgtctg agtgatggag agatgagtat cagtctatac ctcaactgct tcaagcccgc 180
ctgggctttc tccctggcgc ctttgtctgt gtcagggttg gagcaacgaa actgaaagat 240
ctccagagtt tgaaaacaga gtgaaagagc aaatttaata aatgagagct cagcctcg 298

<210> 909
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

<400> 909
gntggctgga aatattcana atgagagccc acaattcanc tctcagtgcc gagggacttc 60
cttgnctgat gtactgtnga gcagcagnac tatcttgttc tgctanaact atcaaaagta 120
tatgaaaatc tcctttgaaa actcagaatg taagaaacat cactgaaatc ttcaattata 180
aatcttttgg gaagctg 197

<210> 910
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 910
atgggacctt cacaatatat tcattgttca gctggaaacc ctgggaagca gtaatctgag 60
ctccttgtcc tgaggccact tggtggccat ctccatccaa tgttgtctgt ggaccccaac 120
agagggctga gcagctgtcc gtccttgact ctgggagaaa ggcgttatca tcaagatttc 180
cataagtgga cagaagacac actgaccatg aaaggaaggc cagcactggg tgatcatttt 240
cattctaaat ggaatctcat caaataagca aagaagatta agcgcagaga aaagacaatg 300
ctgtcaccat gcccatgcca aacacttttc atctattctt ctgagactag ctctgagaag 360
ttacctggga gattttacct atgtaagaag acaacctttg ctcactgngg agttctgtcc 420
ctcacttttc tgcaatttgg tggaacatcc ttcagagatc aaaaaaactt tgttctaaga 480

cattggctgg tcttgggact cattcaatct ccctgaaagn cacttactac cccttaaaat 540
tacctacatt tctcatttct ctcttcccta tgaaaaaagt atttaagctt caaccccctt 600
gccctttntt tgagtttcat attttggatg ggtccggaaa cactt 645

<210> 911
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

<400> 911
atggcactgg ctgaggcaga atgaatacag ctgctgattc tgatctcaca ctgggtatat 60
ccctgagtgc tggaaaaaac atcaccctca gaagtgtgca ttcagccagc tgcctttgga 120
gagagccggg aagggtgcaa agtggcatgt cctttaccag tcactctttc tgggccaatg 180
cttatccaga aatgagacag aactatgggt ttactgcaaa tgaccagcat ccgcaaagtg 240
atcaagacta ccaactttgg tgttcactct gcaatgaaaa aatgaaccag cagaaggtgg 300
atgtgaaaga ctaagaagag ccctgcagaa aacccgttag cccatgtttt catctgtaat 360
gtggatgtgg gatgggaaga gggacaacga catagtaccg accaggttcc agaaactatt 420
ccaagtgctt tacgtgataa aaatctctta attgtctcaa cgaccatacg aagtatatcc 480
ctagtggtgc ccctatttta tagatgacaa aaccttactg atatctgtgt aactagtaaa 540
gtaggagaga caggattcaa tctgtcagcc cacttntgcc ggtggccgng tcccttgttt 600
tgggatcctg acaggcagnc cccanccagg aaccccgtc 639

<210> 912
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 912
gtcttgtaga aatttgcctg atgcaccccc tagatgtggt gaaaaccagg tttcagattc 60
agagatgtgc aaccgatcca aacagttata aaagcttggt agacagcttt cgaatgattt 120
tccaaatgga aggaaccaca gcatgtgggt aagaaacttg gatctgacag cagaagaaga 180
aagaggatat tgtatgcctt caatcagctt tgtattagga gagccttaaa ggaaaaattt 240
tgtgaaaaaa gaaagaggaa gaaaacaaca aactagcaag atctgtattt cagtataatt 300
tggagaaaat gactgatttg ggttggtcat gttgccagaa cagatgactc aaggcttcca 360
tacaagaaat ggaaatcagg aggatgcctg aagcctgaaa gaagaacaaa ttgtaaagat 420
atgattgact gtaaggcttc aaaatcaact gtaccaaaga tgagcttgaa tcattgccca 480
gaacagagct gaatggggat gttccattgg gttctggctg ntgaaacaaa ataaaatgta 540
gtaattgnaa aaaaaagaaa aaaaaaaggc cagcgaggcc aattcanctt ggcttaacca 600
ggctgacttg ctcaaaaggg ggggggggg 629

<210> 913
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(644)
<223> n = A,T,C or G

<400> 913
aaaataggaa actttccaaa ggaaaacaac aacaacaaca acaacaacaa caacaacaac 60
agacacccag tgagtcttaa gtgcctctga gaaggtagag ttgaagaggg agcaaacaaa 120

attaagagat caaccctgca atccagaaac tcagctgatg gccagtgtta catagagcca 180
agatttaagt gccactttgc ttctcttcca gtaaacaaga cagataacca actcatgagt 240
tgctccattt tgcatttcta ccagcaatgt gactactctc ccctaccttc atcaacacaa 300
gccatgcagc caccgcagca ggtgatgcct ggattctgct gcatccaggc tgcagatgcc 360
tgatacctga caccctcgga actgacgtct gcactgagag cacatctccc aactgcagag 420
cccaggtgat ggtgctgctg ccagcagaag tgctgatggg ccaagctcct acaaagcttt 480
cttggtcttc tggagccttc agtgtgttga agccacacca aagcagaang cgctttctca 540
ttagtggaat agtatggtaa ttggacacca aagctatacc ataaaatcat caacactgna 600
taattggtgc tattgaaaat gcttatgggt cattattaaa catg 644

<210> 914
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

<400> 914
atgggcacca tgtggatgaa ttggtggtgt gaaacgctgt ttgggaggaa acagccccag 60
cccaaagccg gcaatcctat gtatctcctt tcttgctggc ctatcatagg acaggtgtgt 120
ttcttacaga tacaacaaag ctttaaagca cgaaaaagat gaactcgaaa caccagtgac 180
tggaggaacc atgacaacac aaacaagaag gaaacaagaa agaaaaagca taatcctggt 240
ttttgtgttc tgaattgtgg atttgaaatg gaggctcccg tggctgctga cagcctgcct 300
tgatgctgct gatgtctggg tgatgaacag tcatgggttt cctcccacct gcctctgtgg 360
attaatgaag agcaaggcag gaatggcaga cctgccatct ggaatgacct tacctgataa 420
gattgttctg ccttccccgc caaaggtgag gagggctttc aggatgcagg agactgtttt 480
ccccacacct taatgagaaa aattgacctg tttattcacc agctgncttc tttgtttcta 540
atccaagcaa ttgctgcaaa atcgntttca cttctttcat ggtgaaattt gagcagaaag 600
ccccctcgag tggcttatct ttgcagacaa ccaa 634

<210> 915
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 915
gacaagcgcg accacccaca catgacggta ctgtgagggg ccagtagtac gaatgaatcc 60
caactgggcg gccctgcttc cctgcctcaa cccagggctg tgtgcttccc agcaggcact 120
gccatctatc cagccccaca gtttcccagc actcagcact tctgatgctt ggcctcaacc 180
tcgccaccac tggagaagat gaaggtgcat tctggtggct tccacaggta tgacactgtt 240
tcctgggacc tgaagagaat gcactgtcta caacctgagc tacaaccctg cagccacatg 300
ctgaataaag tgcttcaact cacagctcaa aagcccatgg ccagagtgct cttgggactc 360
ctgctacaat ttttgttttt cactcacaag tacaattaag gaaataatct tttgggttta 420
agtgtaaata ctaaaatctg ccctgataag gtccttcccc ttgcatgcaa tctatttata 480
ttctgttagc aggcaaggaa cttcctatgg ntaatctgct tgatttgggg gggagagtgt 540
aatctttaaa aag 553

<210> 916
<211> 167
<212> DNA
<213> Homo sapiens

<400> 916
gaaatggtac ttttggatca catgtgaagg tttaaaaaaa tacagctgcc ctggcttcct 60
gaaatctgga aagctttaca gcatgaaaga agaatggttt cattggataa taatccatct 120

gcaataagag caaagtccat actactatta aatgtgttta tccactg 167

<210> 917
<211> 184
<212> DNA
<213> Homo sapiens

<400> 917
ttacaccacg cctcctgagt atgacagcaa cattccttca gggattaaag aaaatgcttc 60
agaagattgg aacactgctc agccttccca accttctttt accactgatg tttctacctt 120
agtgatcttc ctccttattt taatgcttct ttctctttac aattaaaagt tcataaaatc 180
tttc 184

<210> 918
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 918
taccctggaa gtgctcagta catcatatga accagagtgc tggccaggaa tgagaccacg 60
ctttgcctgt tggtcaccgc atctccaggg aactcagagg catctccagg aaacacctga 120
atatgtgagc tggttcctta caacagtcca atgaagcana ggngtgagca gatccttttt 180
acagctaang aaactgaggc acaaagaggt tgacagcaca cttgccccaa agcgcagatc 240
tgaaatccag gcagcgctca ctccacttgg catctgctgc agtggctcaa aggctgggtc 300
tggagtcatc tgaaaggcct tttcacttnt tgtgtctggg anggcaattg gcccttgcca 360
gctnggactt ttccacgtgg ctccatgggt gcctcacaac atggncctgg gtcccaagaa 420
gacgagatag aacattttta g 441

<210> 919
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 919
tctcccttgc nngccttgag gaaggagctg ccatgttgga ggctacccta tggagaagcc 60
catgtagcaa ggacataagg gtggctggtg gcccagacag aaaggagctg aggctctcgg 120
cccaacagcc tgaaaagaac tgaagttaca cccacaatga catgactttg gaagcagatc 180
cctgagtctt cagatgagac ctcagaactg gccaacacct tgattgaagc cctaatgaga 240
gaccctgaag tagagggccc tcctaagcca tgcctggatc cgtgactcat aggaactgtg 300
aggtaataaa tgtgtgctgg ttgct 325

<210> 920
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

<400> 920
ccaatttgag ccagggaact gaagcagtat tcaagagcct tcttgttaca ctggcacctt 60

ctgggaagat taagcatctg tcatacctac ctccccttca gaggtttggc accaattggt 120
acaatgaatg agaaaagggg agagatggat atgccgaggt acattcatgg caaatgaaga 180
ttcaataacc tcacatcagt gagcattaac attgatttca caggggttg tactcagaaa 240
ggtgggcagc aatgcagagt catcatgaag tacctagcag taaaactgta ctgcactcaa 300
agaaccaaca tcactgcagc cagtacccca ttgcattaca agcagtgact gcatttcagc 360
aaaataacaa catacatcat attcaattaa gtgtggnaaa tttgtatttt tatttgggtt 420
actgaattta aatctcatct gcaaaacaat tttaatggnt ntttngaaag gaaggggntt 480
atataaagtt tatgttggaa atcctaaa 508

<210> 921
<211> 370
<212> DNA
<213> Homo sapiens

<400> 921
ccagaaaacc tcccctgcca actcagcctg atagaatgat ggcttctact cacatcatcc 60
tggacatcaa ggtcgcagcc agccttcagc aagatctgga ccacaggaag atggccctta 120
ttggcagcaa gatgcagggg agtccggcca tgctgtgaat gcaaaatgaa caatgatttc 180
ggaacaagtc ctcaatgcta ctcccttggg agacagaggg cctagagcaa ggtttgcaca 240
ggggctttcg gatgatcact ccctcctgcc cctttggatt ggcaggagat tcttatgggt 300
taaccaaaat tcaagtttgt ctcagttaac cttggctatt gtcattgcaa tcaatgaaca 360
cgatatgttc 370

<210> 922
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 922
ctacagagaa taaacatatg tagtttacga ctatagccac attatatctc tttggaacat 60
cactggccaa gacaatgaag gaatagaaaa gacttacggt atagacaatt aatctagctg 120
aaaacacagt cagtctgagc aaggtttctt gctcctaaaa ttagaaaaga actcctggac 180
tgggtgagga gggtcaaagg cataacgtga gagctaagac gcaggttcat tcttgtgacc 240
tgcatgaccc ttaactctct agccttatcc ctggagagga gatggcgttt tccccagata 300
aggttttggg atcagaggga aaggtacttg tgcctcctgt gccaggcaga gttctgatga 360
ggcagcaaga ttccagaaga gaggactgta tggtcatccc agcaaaccag gccttaacag 420
cgtcattaca tttcccacgc tgcangggaa ggaaattttn acattnccna aaggggccca 480
aacntancag agcacctnct aaatttatag aagga 515

<210> 923
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(273)
<223> n = A,T,C or G

<400> 923
tattctagga cangaagaag caggaagagc aaagaggaaa aatgaaaaga agcaatgcct 60
gtcaagatcc acaaactttc tcagaaatct ccaacagact tctacatatg tctcattgac 120
caaaaatatc tcatatgttc atccctagct gctcatggcc ctttgaataa aaccaaggat 180
ctattgacaa agactgggag agtagatatt tgcaatatta gcagtgtcta ccacaccaac 240
ttccagtcat tcaactaagg tcttttctgc cat 273

<210> 924
<211> 521

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 924
ggtgcagatc tgcgtagtga aactacccac agcaaggatg tatgcctgtg aggtggcaca 60
gaactgatgg atcagacttg gccttcaacc tcctgttatc ctgatgaaat tgcaagctcc 120
aaacaacaga gacacaacat tgaccaacag taagatggct tgaagaaata tttctttcag 180
gacaaactct gtgcattcca tgagggtgga tggatggact tatgaggaca aagccactga 240
catcatgagc aggaaacaat gcttctctca agctgcagct tcgaaatgtc aaacagcctc 300
ttccttgggt gacaactgct ttctgactca aaggaagacc ttgctctcca gcatcagggg 360
ctgtcagaaa ctttgctttt gagtaagtac aacatcacac tgcctggagg atctaggtcc 420
acctttacac agaagcacag agctncncaa gaaaaggggt ttnnnggaag ggaaaatttc 480
aaattnggtt ggactttatg gggttntaaa ggacaaaagg a 521

<210> 925
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 925
atacaagtgg atcctctaag aaacttggga gccttgtggg ctggtggaga actctcaaga 60
tggcaccagc ctgtctatgg tctatgtggg aatcaccgcc atccttgcca ttccatgcag 120
tgtaccatgt gatgggctgc attacttagt gacaatgcta ccttctcact ccttgcacag 180
aggagagaca gacacctgct tgctccaggg cctgcctgag ctcaggctct gccacaggga 240
tgaagaggtt ggagaatgtt tctgccaaat gccaacaacg cctcctcaag gacgattcat 300
ggaggctgtt agcctgtgct caacttccct tggcaaaact gcaacaaagg catggcagca 360
gtttgatgtt cacagagagg agtgaataca aagcatggct ttaggcagac ttcctttaaa 420
catgcacagg ctcctgctgn tgncttatgc cttttggngg aatnggaaat ttcnaaaggg 480
gnggtntttc cctgccctgt acaaagttta tt 512

<210> 926
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 926
atttatagta aaatgattac attgacaagc tgttctacat ccaccctccc cgtttccagc 60
gtggagccct gaggcatcgt tcaaaaaagg acaaacagcc tgagaggcag ataaatggat 120
ggcctggtgt aattttaaat cacatgaatg atgttgcttc tctctcttcc cctggagaac 180
ctctttccat gtctgactga cgataatgtg tgaaattttt cttacttagc agggagaatt 240
agtttgtttt agtatccaga acacagcact gtatttggct actagctaag tccaattttt 300
aatatattac catgcataaa catggnggga ggtcaaaaag ggccncnctt tgggcaagat 360
ttttataaaa taagctgagg ctcaattcat ttttctcaaa acgctggagg cccctgccct 420
tgccaagccc aagatccttt 440

<210> 927
<211> 530
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 927
gatacaagca ccttgaagac agagattata tcttggaccc ctacagcatt tatcacagtt 60
ctctggatac taaggtgtct taatggaatg tggatgatgg ggtgtgtgaa gtgcattcta 120
cctgcgtgga gacatctcta atggctgcag atgaagtcct gcctccctgg ctattctcca 180
ccactgtaga gaatggccac agttcacctg gaatgtcttt tttctaactg gctagtctca 240
tagaaaggca tttactgctc acacagactg ctcctcctgg ctagcactgt ggacccttca 300
ttcacaccag tgattgcggt ggggtgttga cttctctgtc ttacccacta ggtggtttct 360
gtctgcacac aggagagctg aatcggccag aacccncaaa aatcccagcc tcaccaagag 420
atgacacgtg acctggnggg gnctcaccca aggcataccc ctttncaagt tagnaaaana 480
aaaaaccntg gtcacagggg tttatagttg gttatgggcc gctcacaaac 530

<210> 928
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 928
gtgttccggc tcctgagagg atgctgaatg tgcaagacca caagtgcaag gaacgccatg 60
ctcaatcact ctgcaaatga cattacaacc ggaataaatg caaaggcagc aggtctcttt 120
aggacataca cctacacaca gtgccaaact catcctgtgg ccaacagatg tacagagaat 180
cccagagtgc tttattaagg atgggtgact gttcatagtt ggcatagttg gtttcctaaa 240
cctgggaagc tcagcaaacc agttttacaa aaacatcaat agatgatgat ggtggtgatg 300
atcttgataa cagtgttaat gattatatca gaaactagta cttctgaggg tttacaaggt 360
ggcaggcact gaggcaacat cttcctatac cttctctcat gtgattcttc caagcatccc 420
atcagaagct ggccaanggg ggtcatgtct gtnatcncac acntttggag gccaaaacaa 480
aaggatcgnt tgaagtcagg agtttganac cagcctggca acacagaata 530

<210> 929
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 929
actggagata tctaagtttt cataagagat catcagaaga aaatgaagat ccaggctctc 60
tttcagctga gaaaacgcat ccacaaaatt ccaaagaata cctggaagag gaaaagagac 120
acaaagacag atacacaagg agaccatgat gaggcagaag caagagatca cagtgatgct 180
tctatgagcc aagaaaatct aagaactgcc agccatcacc agaagctaaa agagaagcct 240
gaaacaaatt ctgcctcaga gcctccagga ggaatcatcc cgggagacat cttgatatca 300
gatttccagc ctccaaaact gtgaggcaac aaataatctg tcattttaag ccaccagttt 360
gtagtcactt gttccagcag ccctaggaag ctaacacaca gtcagcctcc atttttgat 420
gnttgaccac acacanggtt gaaccctncc gnntncggct tcttcttatt ttgaccnggg 480
aaagtngata accatgtggn ggggctccct ccttgggg 518

<210> 930
<211> 495
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 930
atcgcttctt gacctgcaca actttctgat ttgatgagtt caacagaaac caactcaagg 60
tagcagatcc agaaatgatt agaacactta ggataatgaa ttattacatt ttcaaggcac 120
atcagtgaat gttatgaaga gggagaagaa taaagacatt gttgaactta gactttgaca 180
agatgcatat tggatatcta aatagagata tcaagaaatg aagatatgca tttccagttc 240
cagagagaaa ttcacactgg aaatataaat ttaggaattt taaagttagt ggtcacattt 300
aaagctgcag aatacaaaga gatcacctgt gtgagagaac tgagtcctga aacatacccg 360
tgtttaaaga tctgggaggn gcagaggaat ttcaaaggag gctgagaagg ancancngtg 420
aggngggtga aaaccagata gcnaaagaaa gcngaatttg gactgacttc ctttgnaaaa 480
attaaaaatg taagg 495

<210> 931
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 931
cagactgagg acctggatat ctttgctggt tcctgaaact ctgcagacag tcctaaggga 60
tccagngggt cctctgatgg nccccaatgc tggaagtcac ccatatagnt ctgaaaagtt 120
gtcacaanaa atggccgttt ntggaggatg cncaggaaac ttttcatttg gcatgaaaaa 180
ggctnttggn tttgcaaaga cttgcagaag gaagaagttt aaattnttga gccctcaaaa 240
cagattttta gaaaagtgtc ttccaacctt tgtttngtcc aaataaagga agattnngac 300
ccncnaaaaa aatgtanaan aattaanant aaaaattnng gggggngggg ggggggcctt 360
ttttttgtgn ntntntnccc gngngttttt ttttttaaag gggggggggc 410

<210> 932
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 932
cctatggaag taattatgga ttaactttgc ctgatatttc caatgaattc tccatagcat 60
caagcacaaa tgatgatctc ctaggacagt ggcagcttct gagaatgcac aggaaagtga 120
ccagggaaag aatgattcca tctccaggaa tccctggtga tcttcagagc ccagacagga 180
ccctgctggg ccatggtaac tgagaaactg agaagcagat acagtggtcc ctatgttggc 240
aacctcagct gaagaggaac aactctctct ataatcaagg acttctgaaa ccagaaatta 300
ccagcgtggg gagagaacat taaaggcaga ggtgtctctt ataagcacaa cgtgtgacca 360
ggtaatactg tctggattag cagctgtaca gcctaactaa gccctggagc tacaattatc 420
tggtcgcatt aaactgaaat cacctgaaaa acttncactg aacaaaccct ttggaaagtg 480
ttnaatggcn cnttcacccc caaaagggaa 510

<210> 933
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 933
cttcgcgggg tggagggana aacttctttn cggnctttcc agtgggggat cgaacgggta 60
tcgaataagc ttttgatgaa gcccgccaca tgggantcgg ccccttgaac caaagaatgg 120
aattgcaccg caaagttctc ccggcccgct ttggggtggg agangnctat tccgggctat 180
gaactgggcc acaacangac aaatcggctt gcttctgatg cccgcccgtn gttcccgggc 240
ttgtcaacgc aaagggccgc cccgggttct tttttgtcaa agaacccgaa ccttgtcccg 300
gttgcccctt gaaatggaaa cttgcaagga acgaaggcaa gccgccgggc ttatcngtgg 360
gcttggccca cngaacgggg gccgtttnct ttgcgccanc ttgttgcctc cgacggtttg 420
tccaacttgg aaagccgggg aaaaggggaa cttgggcctt gnntatttgg ggccgaaann 480
ngcccngggg gcaaggaatt cttncttggt cattctttaa cccttggctt ncttggncgg 540
aagaaaaagn aatcccaatn caatnggctt gaanggccaa naggcngggg ggcttggant 600
aacccttttna nnacccgggt aaaactcgtg g 631

<210> 934
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

<400> 934
ctgaggtcat ttgactgaag gccaccaaaa cagttgtctc aagtgtgaaa agagatcact 60
atattttgta caaatgaaga aactgagtta aagaaagatt aaatgtcctg aacgatacca 120
ataactaatg actgatgggg tggtgggttc tttcttattg catgaatcct taaaaacaga 180
aaattgttcc tgggcgtagt cacagatcga tgtgaagata gaagacagca ccagaatcaa 240
tgaactctgc aaagatcctg gactccttct cctgctgcat aataaaggaa gtgaaattct 300
gcttcatcga tgaataacag gattttatat aaaactttga atgacatagg agggacaatt 360
tgcatagaac aacaagtcct caaactggcc acaagctgtc tgcactgttn ttttgaggat 420
ttccaaaatg ccanaangng cactaacagc tntagatact tgagtcnaca anaaacctnt 480
gnncnttttt tttttaaggg gtt 503

<210> 935
<211> 155
<212> DNA
<213> Homo sapiens

<400> 935
tggaccagag tgacctccca ccttcaagga ctcctgatca ctttaccttg attgtctaca 60
agggaatgat ttacaaatcc tacactatga ccatcctcaa gaggcctcat taagaaaagc 120
ttctcctgta ttaaatccaa agctgttttc attgt 155

<210> 936
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(535)
<223> n = A,T,C or G

<400> 936
gtttttgtca agcaggaaag gatttgcgtt tggtatcact gtgtatggaa caaattgaca 60
tcccagcagg attcctcctg gtgggggcca agtctcccaa tctgcctgaa cacatcctag 120
tttgtgctgt ggacaagcga tttctaccag atgatcatgg aaaaaatgca cttttagggt 180

tttctggaaa ttgtatcggc tgtggagaaa gaggatttcg atatttcacg gaattttcca 240
accacattaa cttgaagctc accactcagc caaagaagca gaagcactta aagtactacc 300
tagtcagaag ctcccagggt gtactgtcta aaggacctct tatctgctgg aaagaatgta 360
gaagccgaca atcctctgct tcttgccact ctattaagcc aagctcttca gtgtcgtcaa 420
ctgtgacccc agaaaatggg acaactaatg gntacnaatc agganttctn ttaaagggac 480
ccccncnctt gcccnnggnn gggnngttaa aaaaacaaat ttgttggggg gggtt 535

<210> 937
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 937
gcttttggtt ttggaccatg agaatggctt acatattcaa aaggttggat ttgggaagca 60
atgctaagca gtggaatgga catcgacata gagagatcag ctccacactt atactctgcc 120
actcaacttc cccatgtgac ttgaggatca ctctaactcc aaaacatagc aagctcgcgg 180
aacatcaggg ttcatgcaaa gtattccaag gagccccttg aagcaacaga atggattgct 240
cttctatggt ggaatggcac cctggatgat taaaaccgta gcagcaaaca aaacctccat 300
caagtaagaa ttcagagtgt gagatatcac gcacagccac gcgtggatct ttatatacgt 360
gtcaatgtgt ttgattgtat ttttgctttc aaagtatgta ttgagcattt cttctaggtc 420
ctcaagtaac atctttttt aaaaaaaata aatgcttaag ggaattgntt tatattaaac 480
tcgctttc 488

<210> 938
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 938
ggcccattga tgaccacaaa aaggaatgtc cagtgcagct gcgggtccac ttgagccctc 60
caagcaagca ctctcaagcc cgctctgtct gggagctctg tgttttcaga gcctgttgtt 120
gcagcgatgc ctggaatcct tgacacctgc acaccagctt cctgggcatt tccacaccct 180
ccccctcccc acctcctgca tctcccattt gcatctgaaa tgcagctgct ctgggcccta 240
tagaggaaag ccaaatggac aggacatctc cttgtttgtt ctccctcccc tgagtcaaac 300
cgaatctgaa gctcctctgt gcgacgcctt tgttgcctcc tcattatgtt taaatgagcc 360
tcatctgcag gaggattttt ttttaataaa ataaaataaa accaccacaa aaaaaaaagg 420
ccagngnggc caattnagct tggacttaac caggcngaan tttttnaaaa aggggggggg 480
cc 482

<210> 939
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = A,T,C or G

<400> 939
caggaagccc tgaagatgcg gcaagctgtt ctctactttc ttgctgaatg agcaaatgct 60
ctaaagagaa gtaacagaag aaaaagatgg ttgtgccatt gaccaggtgc cgttctcgtt 120
gcccattcat ttcctgcccg ccctgcacac atcctgcccc taggaagcct gctcctgaaa 180

caagtctcta cccgcaagaa gggtctcatg aggtgccagc ctcacgatct tggacttccc 240
agtctccaga actgcaaccc ttcttagcta aggctatgga ttggaacacc tacaagtggt 300
ttttccacgt ggacctgggc tttctcaaac atggtgtctg tgttccaaag atcagaaggg 360
ggtgactgaa gtagaagcga agtcagcaac ttatcttcag gcataactac ttttcctgta 420
tcctgaaccc tcgagagggg atttcttgaa gaaaagaaaa gaaaaaaatt ccccctttntt 480
ccctgggang nggaanaggg tgggaaaaaa aaaagggctt taaaa 525

<210> 940
<211> 160
<212> DNA
<213> Homo sapiens

<400> 940
gacatcaaac ttcctggtcc tcatgccttt agcctcagac tgaatgacac caccagcttt 60
cctgcttctt cagcttatgg acagcaccgt cgtgggactc ctcagcctcc agaattgtgt 120
aagaaaagtt ctcataataa acctctgctg gtatctcttt 160

<210> 941
<211> 122
<212> DNA
<213> Homo sapiens

<400> 941
ggaaactgag accacatggt gaagaatctg tttggcgaaa gggctggaag attccggggc 60
tgtgcctgca atgagggata tacaacagtt ctccctatgc ctggaacaga gaacctcctc 120
tc 122

<210> 942
<211> 304
<212> DNA
<213> Homo sapiens

<400> 942
gatatgacat cttaggaaga agggactggg ggaaagaaag cactttctgc ttctgtggat 60
ataaacacac agtgttttat tccctagtgc aacaaaaccc caagatcaac agacaagagc 120
tgaaaaccct ttcccaccag acacagtgcc atctaaatgt tctctcaaaa gatagcatct 180
cataaacaat ttcaacaaaa ggatgtcagc ttttacttta tgtgcatgca caaaatcact 240
tttcaggaaa aaaaatgacc attaccgaat ccatcataaa attaattaca tttagttgat 300
cacg 304

<210> 943
<211> 155
<212> DNA
<213> Homo sapiens

<400> 943
atggcagaga tggcaagcac aaagaaatga gattcacgct attccatttg catggatgaa 60
aatacagaca ctttctaagt gaagtagaaa ttctctgaca attaacaaga agagtttctg 120
tgtccgagat atctaataaa tgttatttgc tcaag 155

<210> 944
<211> 285
<212> DNA
<213> Homo sapiens

<400> 944
gatcccagtg acattttact gcaacaaaac caaactgtat gaagttaagc cctgtctcca 60
ggaggcatga aaccacctcc acttctcgtg atgctggctt cttctcaaaa caatctcaaa 120
gacagctccc cggatatttt gaaaattcag cttctgtttt tctgagaaaa atatattaat 180
aacttctgaa ttctctgaca ttgaataaat tgaacaagag tgttagcttt catctactgg 240
gaaatattca aagctaagtc tactaaattg aataaaactt ttaat 285

<210> 945

<211> 442
<212> DNA
<213> Homo sapiens

<400> 945
ctccattgct gactggcttt aatggaaaga gtatttttgg tcctgttttt gaggtttggg 60
acagtaacaa gaaaagaagc aatttttaca tttaaatggg atgagaagtt caacacaaat 120
atctgtagca acaaggaaac atctcgaaaa attcttatta aaatttatac ttaccgttga 180
aactacagac atatgacaac tcaaaaataa acccaatttg gacgtggaat gtttctttca 240
agggtcaagc atcctgttct ggttcatttt gatgaagcct atctacataa aattggaaga 300
ggcttgaaga tcttttggtg tcagtttcct catgtttaca gtagtaggag gctacagata 360
tctctaaaat acttctgttc taaaagactc tgcaatttta aatggggata tattttatcc 420
aaacatggta atgcctttgc ca 442

<210> 946
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = A,T,C or G

<400> 946
tgggggggng aaggccttta ccccccttggc ccattttaan agggttccaa gggaaaacct 60
tgggangggg taattaantt ttaaagtttt cttttaacca ttgggaaaat tgggaccaag 120
gggaaaaagg gaaaaaancc aaaattggga aaaaattttg ggaaaagggg gaaaaagggg 180
gaaaaggaat gggaaaaccg gcctttaaag ggtgggtcca angggcccct cttggaagcc 240
ccccaaagcc taaaaggccc cantccanta atccccccctt ggtggaatcc ttggcaccct 300
taacaccatt cccaaggaat ggggcccttg gaaagttaaa gtggaaaaga atccccccaa 360
aaaagaaagt ggaaaaaaat aagnccnttt aaacctggat ngggcatttc ccnccatttt 420
gggggaattt ggtttttttg ccctcaccct taactggaat cnaatggtan cttttggaaa 480
atctcccgca cccttaaaaa aangttcttt ttgttaattt cttccccacc ctttgaanaa 540
tgtacnttttt gggaanatcc accctntgcc cggcaaaaca attggntntt taactccacc 600
gcctntccca aaaccttata agaagctaat gatantcccc ccccccttttg ntggacctcc 660
ttttttggga 670

<210> 947
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 947
ctttaaaact tctgaactta aaggaaacta ccaagaaaaa ctaccaagaa aaagaagttg 60
aagatgttga agttgaagat gacctttctc ttcacaaggt cttcataaag aaataataag 120
tctaataaat ttaacgatgt gtgatcatat tctaaaatga aataacagtt ttagattttt 180
gaatgaaata ggtaaaatgg agcaaatcac tttagagttc tgcattctga agaacacaac 240
caatctcctt acctgnggng natcaaagat aatattcctc aacngtatta aaccaattta 300
ttgccaggct ctgtc 315

<210> 948
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(495)
<223> n = A,T,C or G

<400> 948
ctctcaaccc gtctcccctc ttccccatta tggactgaag gtttctgtcc ttccaaagtt 60
cacaagatgg aaattttaac cccattgtga tgacattaga agataacgag atgatgatca 120
tactgtaaaa gcccattcaa nganggtnaa aagnagcnac cctnnacncc ccaggaagan 180
cnnctggnac natcatcaac acagaagatg acttctgtgg ccaaatgtgt gggagttttt 240
caccactcac caagcagcaa gacaccaagc tgggtgtcct ccaattcact gtgacactgt 300
ctacccggag atctgtcata tcgcacaggg tgaanactca attnccaaac tccccccccac 360
cngagcaaat cccacctntg ggnattttng ccccccnctttt aaaatgggtt tttaaanccc 420
attnggggtt ggttaattgg tggggccnct tccnaattta aggaaaccct ttctggtttt 480
tttaaagggg ggggg 495

<210> 949
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 949
naactgagct anggcnaagg gancctgnta cantggtgga ttgctccgaa caggagcngc 60
ctgttcgggc cgagctccgg ttccctccga gagcggnttg caaatttctc ctaatgtggg 120
agactggtgc accaggccaa gtggncccca cttncccttt ttcaaggact ggtgnaaacc 180
aaatgggaat ttgcccccga aaagtgggct cccgggggggc ccttgagaag ggatcaagct 240
gaggaagctg caaaagcttn gttaacaagg aaggggcacc aggccccgtg gttgtgggcc 300
ggaaacaaaa gccaacctgc tttggtcntc ttggcaanaa attggaattg cccngggntt 360
cnaaaaaaat ccgnaaaccc caccttgggg gggccntttt taaaaaaaaa ataaaaaacc 420
ccaaaccggc ntttgcccnt ntaaaaaaac ccccaacctt ttggcgnaaa aaaaaaggga 480
aattttgggg ttgtnaaaaa tttttntttt tggnaaanct tttcnngggg naanaaancc 540
cttttgaaaa aaaancaann tttttgggnc tttggcccaa aa 582

<210> 950
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 950
aacaaagcat caggtcaagt acccaaggcc acaaggtgaa gaagttggag tcaccaggtt 60
cattctgact gtaaagcctc accacatcac tagcaggaga agatggagaa gcatcatnat 120
ntgacncntg atgaancaaa aaattggnct ttttnaaaan ngcngncccc anaatcttca 180
caagccatcc tgaccatctt gcaagagtgt caggagattt cactgggttt cttgtgatta 240
tattcagaga ttcttgtgat gacattggtg gggacttcag ttggaatcac tgntattctt 300
atccactttc cctggatggn ccctcagttn cttanccaag gtanaancca anaaggcang 360
ggttacagaa taaaagtgct ntgggaatgc anaaagatat nctactctgc ctgaaggana 420
anaaggcttc tcactnttaa ttgggcnttt tancccaaac agncccttgg gagnggggaa 480
naaaacctga gggggcattt 500

<210> 951
<211> 503
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

<400> 951
aggcagcaac atccacttgg tggtggtgaa ggatgattga gatacttgga ctggaaagct 60
tctagccaag gctgacacat aaggaagatt ttaggatgac tttgttgaat ggatagagaa 120
ggaggaagag catggtatat ggggtctctg ttaccctgaa tggtgaattt cagctgatgt 180
tgtaaccaga tgccaccttc tctttttcat gattagataa cacatagatt acccacctac 240
gggatggaag ctgttagaag ctggcctttc ggagagcaag tggggaggca ggtgatggtg 300
tttcaacgcc ttgctctaag cctctttatc aaagtggcta catatcccac ccaaattgcc 360
tttgaaactt ggcaagttca cttgacctga gaagttaagt gctgctggaa ccccagctga 420
acacattgtc ctgggaanan aaaaacnntt ngcncctntn tccttccttg catagaaagg 480
gtaaatttgn ttacagcttt ccc 503

<210> 952
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 952
agttaaaaat ctgcggtttt taattgcacc tgaggatgcc cccctgctct gttcctagct 60
ggtgttcgac aggcggaacg gaaggattga agagctgacc acaatacctc ccaagccact 120
gtgcttctta cagcatggcg ccaatacccg tccctttgag aagtggagtc tttgttccct 180
tcccttgagt tttggcagga ctctgactat gtcagaggta aatttatgtg acttccgaga 240
ctgggtcatg aaagacaaca ccggttctgc ccagttcctt aaaatgaagg aaggctggca 300
ccatggtgtg aggaagccga aaccacacag aggctgccgt ggatgctcca ccaactgccc 360
actgaggcta acccnccaac atgggcatga aaacatnttt aaaanaantn ttggccccac 420
ccccccgaat ggnagaaaaa ggtttcccaa aaaaaaccac cccnccccccc gggactgggg 480
g 481

<210> 953
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 953
atattggctc acttactgga tcaaggcagc tacattacaa aaaagaaaat aatttggaca 60
gaatcaagaa gtctattata atgtaggtat ttgaaatcta cctccttgct gaacttggag 120
attgatctac agaagaaaaa tcttagcatc taaaggtctg ttttcaggaa aataaaaatg 180
tctatcaatc taccataaac ctgtctgggt tatcaacaac catcaatgag aagacccagg 240
ggaaaattta gggacagaga gcactgctca gacttcatgt ggaaatggaa agctgagcag 300
tcgcctgggt tgaaagaaca gaatgttctt cactgcactg tcattcagct tccaggaatg 360
ctgcatttca gtgggtatgc ctgtcatcca gccgctaatt cancttgaca aggcccgaac 420
ccaaatcatn ttgaaanccc aannttttcct ttacgggngc cttntgaaac aaaatacttt 480
ccaaaaaaac anacggtttg gtctgga 507

<210> 954
<211> 487
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 954
cttccaagca agctaagcaa tgtacgttct ggcaaacgga caccaacatc cacgctgcat 60
taatcatcgg tcccacaaaa taacccaaac aagacccaat gactgactga gagaaagcct 120
caagtctgag atgagacgtc tgccctctac agtctgttgt gcccatactt tctcctacaa 180
caaagcacac ccgtcactag aaggcaggat acactgtact tcttaagatg tgactcagag 240
aattaacaag gattcttcct gcaaggtcaa agatgataaa tatgaatgct aatgtcctgc 300
actcatcagt tactcagtga aagagactac acgtaggtca taaagttcct acttgccata 360
agattaaaca atgggctact ggctttctta tttactgaac atcanaatga aagtcattgt 420
atgggcctgt ntganaaata nnntganagg gtgggttccc aaaaaanccc aaaaaaaaaa 480
agggggc 487

<210> 955
<211> 318
<212> DNA
<213> Homo sapiens

<400> 955
gtgtgcaaaa tctcctccct gggagccaag tggccccctc agccagcaac agtgacaaga 60
agagatggat aaagttgtat caaatgtctg ctgaccttag tgaggggaga cagagccaca 120
taattgtcta cagaaaggat tatccattcc ggtcattgta ctcaaatgct tagaaaattc 180
tgaacattct tcttgcccga gggaaagtac tacgcgatga acagaactat tttggtgtga 240
aatccacctg attttaaatc ctggctttac cataaacaca ttcgctctgt gactttgagt 300
aaattacttg gctttcct 318

<210> 956
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 956
gtttttgtgt ggacataagt tttcaactca tttggataaa gaccaaggag agcgattgct 60
ggatcatatg cttcctaccc accaatattg agaaggaagt aaaatggaaa agccaagaaa 120
gaatggtcga atcaggacac catatgtcca ttcctggctt ctactccttt ttataaacac 180
aagagtggaa aggtttggct ttattcgaca cctcaaagag gagatgcagg aggatgagca 240
gtctgcagtg caggaggttg gagacaaaga gaaggtgatg tcacagaaac ctacgggcac 300
atggtccctt ctccaaggtg agaaaacgga ggctcacaga agcataagaa catcatctag 360
acacgcacct ggttagtggc aaagccaagg ccagaacang ctaatangtg gnangacttg 420
ncntttctca aaaaaaaatt ttggcctttg gcctttcnan atgatgctgg aaccaagtta 480
anactttggg aaaccattgg ggaaggcatg actgt 515

<210> 957
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 957
cataactgac gatngagaag cantacttca tcatctttgg agaatttacc nacggnccct 60
gngnncccga tccccgnnac actttctnat ggattttgtn acnntttnnt aaaggggaa 120
aaagccnttt gacctgaagg gcttttaggn agaaaaaaca caaccccggc cctcttgtgg 180

tgcagtcttt taacattcac gcngnaccgt gnacccctg gggaacattc atctctattt 240
ttaaaaaaaa tgcttttaag gtatcctc 268

<210> 958
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 958
ctgcccacct ctctatggga tgagagactt gagaaattca atttaatcca attcagcaaa 60
cactgagtat ctgctatgtg ccaggtactg acaggtacca gaaataaaga gatcactgtc 120
ctcgaggtct ggtgagaaag acgagcattt ggaagtgctc taacatcagc ataatgacct 180
gaacaaggtg gcacggagct gagaaagaag cggtactttt atttcctcct tctgtacaga 240
gtatataaat atattatgaa cagtatacag aataaatgga ataaagtcaa tacctacttc 300
attgccatcc aggncaaaaa ctggaggttt ttcctatact tnanaagttc cccatgcatc 360
cctttcacaa ttccctcagt ctcctaaaaa cgaactacaa tcctgaccgt ttgtaataat 420
cgcaac 426

<210> 959
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 959
cananctnan ntgaacaaac caatgnncgc ttnacccaag nagaatggga annccnantt 60
tnaaattngg aaaactgggc cctttggttt ccttttcaaa angaggttta aagggcagaa 120
gagcccagaa ccactcccaa tggacaggct tttctaagtt tctcctttta aactttaaga 180
gggagtttct tgcactgaga agaactggga atgggcccat cggtcccgga aacatctggg 240
aagaaatccc gtctcattaa agactttcag caaccattgg cctcagggta ctgtgaaagt 300
gaatgctatg tgccttgtaa ggctaggtga caaaaatggn catgcanttt ncaccntgtt 360
tttnttatgg gacgccnctc ttgggaatcc aaccctncca taaagcttac tggnggangg 420
aaaccccata nggaagcccc atggcgggaa aggatcacca tgggggaggg taacccagct 480
taacccaagg g 491

<210> 960
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(519)
<223> n = A,T,C or G

<400> 960
ggncngcctt ttctgntccn tancnaacan gacccccttt ccctttggcc tactttaacc 60
tcttggggan gangcaggaa acccccagcc aaggaaaagc tggccagggg agggaaagaa 120
gaaagccaag ggaaaagggc acccccagaa gaaagaaagg ggcttggggg tccccaagct 180
ccaaaatggt ctcattatct tgtatttgaa tatccccaaa tttgaaaaat tcaaaatctg 240
aaacacttct gatcccaagc atttcaagac tcctaagagt taatacgaag taagaaagaa 300
gaagttggag ttaaagcagc tcgttccaag ttctgatttt gccattttcc tgtctgagtg 360
ganctggagg tattttntgc caggaatgtg canggtttgg ttaccataaa ataaaacatt 420
gtgnccatgg gnggggtttgg cttgcaccta tcaaccccat tcactttaag gtanttaaag 480

ccccagcca ttgccattaa ctggttcttc tttgggcct 519

<210> 961
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

<400> 961
cagatttnat ganaacttac tcactatcat gagaacatgt ntaagggaaa ctgctcccat 60
gattcagtta ccggcncatg gttctgccct tgacacgtgg ggattntcat gtgtctcacc 120
attcaaggtg cgatttgggt gangacacan anccaaacca tatnacttgc taatgaggaa 180
actgagncag anaggtntag ngatgtaccc aagtctgccc ggncggngag tggcagagcc 240
acgcttntag aggaggacag cccagccccg catcccccgt gcttctccat gtattatgtc 300
cctgcctccc tgtttgctgn tccactggaa tggttnaaca tgcaagcttt ccttccagct 360
gtngngccag nacatggctt ncttcctnct cccgaagcng aatcgcggga agccataggt 420
tcagaagatc ccagctttct ctgctttg 448

<210> 962
<211> 442
<212> DNA
<213> Homo sapiens

<400> 962
cagcagtatc cactatggcc accatctcca tcttccacag aataaggaaa ataaaatatc 60
tacgatagac tttttcctga agtcacccaa ttactaaata actgaggtgt tttcatctgg 120
ataattcatg cttcattatt gggccactat tctctgtctt gggttctccc ttggctcctg 180
tgacaaacat ggggttcaga tccagactcc aggaggtagt gatgcttcaa cttttggtaa 240
catacaggag aaaggccata tgaggaccca gcaagaagtt ggctatacat gggaagagag 300
aactcaccag aaaccaacca tgctggcacc ttgatcgggg gccttccaga ctccagaaat 360
aagaaatcta caggagtaag tcagctaaga attctgttac tgggtcgtag aattcagctc 420
cctccctgtg ggataatgga ca 442

<210> 963
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 963
gcgctgggac tccngnncta ctncatntgg gtgggtttng nggggaaaa aaaggaggng 60
gaaaacacnc cactggaaaa ctggntccca ttggggcctg tcntgcttaa aaaaaggccc 120
agagaggcag tcttgacacc ctagatccca agatctccaa ggatttggtg gcatacccac 180
tccagcacac agaagcatga ggntcatgac tctcctcttc ctgacagctc tggcaggagc 240
cctggtctgt gcctatgatc cagaggccgc ctctgcccca ggatcgggga acccttgcca 300
tgaagcatca agcaagcttn aaaaggaaaa tgcaaggcga aanacccaag ggttngccaa 360
gacaagggcc ccaaaggcca agggaagcag nagantccaa ccctttnttg ggnaaaaaag 420
ggccttatac ggagncaaaa aaagcttgtg gggggggact tcgggaaaaa actaaggaaa 480
aagaatgcca gtngaagatc tagaaaagcg tgggtg 516

<210> 964
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 964
gcacagactt ttgccnngcc ntnnnancna acttaaggnt aanaacccan ggnggggcn 60
ngtttnangg ccnntaaang ncccctttgc aggtgggaat ggccgcccgg gncttacttt 120
actggtcctc gggtcccgaa gctttcttgg tgggtaaact tgagggaaaa ctggctggct 180
ttaatgaatc taaccagaag ggaatgaata attggcttgt tgccccaagg gacaaccccc 240
acccagtttc acaaagaaaa tcccgtgaaa gaagaagaag catcttcttc aagggtgaaa 300
aacantaaac ccatgaaggc ccctttttnct ttgggggttt taccggagaa tgaatggttt 360
tgtnggaaaa ggcantgaca aggtcaaggg ggttaccgtg ccaaanaacn tctgggaacn 420
tcgacttacc ttgaaattga atgccaagcc tcangccatt gggttaaggc ntggaatgcc 480
ccttggggcc aagttattta agtantccca cattgactca agtttgaaaa a 531

<210> 965
<211> 208
<212> DNA
<213> Homo sapiens

<400> 965
gaaaaaaaag aagcctggaa atggatcatc caggactgac ttccaatgat gtcaaaatcc 60
ttagcggttg atttatcacc ttatgggcac aagatggttg ctgctccttt gaggcatgaa 120
gaaggaataa gcaacaaagg atcatgccta aaacatcact gcccaacagc gccacagccc 180
cccaacaata aaccttcccc taaatgcc 208

<210> 966
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 966
gatctgagga tcataccta atagcgacct aaagtgttca ccactctcat gccgaaaaaa 60
atcatctctc cttggaatag aagatggaga cgatgtcatt ctcatatcaa cagaggaaag 120
tgaaggcgac aaggatcttt ccataacatg tactaattca tgttcttctc tttgctctaa 180
agtatcactc tgttgagaat ttaaaaccag tggaggaggt ggtttaatgt cttcttcttg 240
cttcacctcc actgtaatag caacaggatg gtgatccaac attacctgta gtgaactggt 300
accagcctgt gcctcctcat cccaggttgg cctatnaccc cccaaaaagc attataatat 360
gtaaatcaaa tgaagaaaaa gtgtatattt atagcataat tttaatttaa tgtcattaaa 420
tgataaagct ttaaaactag 440

<210> 967
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 967
ggctttccgc ccggggtgaa aacccaaatc aaggtggact gaaagaagaa naaaggttca 60
agaatgaaca gggagtggcc gtncaaaggg taccagacgc ttggagggaa gccatgggaa 120
taaaaaattt tgggcgggcc attctgctgg tcccagaaat aaagaactac atttttccaa 180
gcctcctttt gcagctggac cncgggcatg tgaccccatt ttaggggca tggtaaaatg 240
ggaggccctg tgtggcagct ttttgggaaa ctttcttttt gaaggggcc ctgttanggg 300

gnaacttngg aatttntttt tttggnccac ttttccccac ttccctcatt tttgaanggc 360
ctaaggcctt ttaaatgcaa agctttgggg acccncaaaa gttggaggga cttgcncccc 420
cangggnatg ggcataaggg gtaaagccca nactggtgga cccagt 466

<210> 968
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 968
agagcagaga gcatcgatcc ggttcaagac caccctcatg aacacactca tggacgtcct 60
tcgccacagg ccaggatggg tggaagtgaa ggacgaaggg gagtgggatt tctactggtg 120
tgacgtcagc tggctccggg agaacctcga ccacacctac atggatgaac atgtgcggat 180
cagtcacttc cggaaccact atgagctgac ccggaagaac tacatggtga agaacctgaa 240
gcggttccgg aagcagctgg agccgtgagg caggaaagct ggaggcagcc aagtgtgact 300
tcttccccaa aacctttgag atgcctttgc gaagtaccac cttgtttgta gaaggagttt 360
cgcaaaaacc caggaatcac ctggatcatg aagcctgaca caagaagctc tgacgaccag 420
aaagatgata ttnccggtgg agaactatg 449

<210> 969
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 969
atcacaaatg ccccaactgg gtaactgtca gaacccaaca ccatcaacgc tctgcagaaa 60
gtaagggggt gagtgaagat gaaaatggag caagaaagag aacttagcat gatgactgca 120
caccctcagt gaatggcagg cctaagggga gaaatttagg cctgtcccac ctcacagtga 180
aaaaactcaa tggttcctga gactcatact ccctcctctc cactgtgtag gaggctccca 240
ggacacatga cagtgaaaag attgaggcag tcagagggaa acttcgtcta gccccaacac 300
aggcagagat ggtaggagct ncccccttccc aacaaggctg aaaggtcgca tggccncccct 360
gaagctcana atccacagat gatcaagtga aggatgacag aagcaatctg gattatgcaa 420
agaattgctc tgaaatatga aagatgattt taaagcctg 459

<210> 970
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 970
gttcttactt gaaactgatt taacatatta aggaaaggga tcaattgaaa gaatggtggg 60
tagctcacag atgactggga agtctgcttt ggatgcctgc tggaacaatg gaggttgaga 120
aacagctagg accccagctg aaatcatgcc tgtctggtgg agcattaaca tgcttccaga 180
agtcaaaact atataaagga tatactccga gaagtattcc tcccttctgt acccactcca 240
tcttgttcct cctagccagc tcttgaagag gcggaaattc actctaaaca ggagaagcag 300
caatgagaac ttcaagaaga gatataagcc tcatccaana tcacctgcag aggaggacga 360
gggaaatttt atatgggaac aattatctga aaaatagaat gtcctcattt gtatgggcaa 420
ggctgggttg caaagaagtc c 441

<210> 971
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 971
atacgtgaaa ttccggtaat aagggacaaa atggttaagc tcttgatttg agactaagga 60
tggagatggg gccatttaga atgcccagat tcaagaggca agtagaaagg agagttgacg 120
aagggtcccg agcagggaca gctggaaaag cagagctggt ggaacttgga gagctgtggc 180
ttcctgtggt tgttgaaggt gacggtcatc ttgatcctgg ctgggcagtg ctggagcagc 240
ttccccacct ggggatctca ctggctatcc ttctcctcaa cttggatgtt tagntggctt 300
tttatttctt tggttattgg tgctattggc tttggttggg gggttaattt cttattttgg 360
gacttttagc acataaagtt ggagataatg aatgggaaca gaatgggaaa gagtggatat 420
aatgatacac cacataccct cc 442

<210> 972
<211> 440
<212> DNA
<213> Homo sapiens

<400> 972
agttttcgaa gaactccagg aagtggctgc agagcaaagt aggatcctga tactgagctc 60
aagtgattca gaatgaaaag accttggcac agacctgtta aggaagctcc atataagggc 120
caccggggtt ggctgagtca gaataccagc catgtggcat gtcgcatggg gcaagagctg 180
tgctgcccat gggagtccag agaaggagca cactaaggac caacaccagc atttgctcta 240
ggggaagcct gcagctatgt catgaggacc ctcaacagcc ctgtgcagag gactatgtgg 300
catgaaagat gccttttgc cacaaaccag ccccacttgc caagcatgtg aacaagctaa 360
actgaaagca gatcttcagc cccaatcaag ccttcagatg acagtaacct cagccaatat 420
actgactata acctcataaa 440

<210> 973
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 973
actcttttgt gttaggtttc ctgacaatga aagagatact agaatcaatg aagaactacc 60
atgatctcca cagcatcccc tcctcgtgga tgggggacaa cgagatggtt gctttcccag 120
agctcctgtg gaggactgtg aagatggtga ctgcccctca atgtatcatc ttcacaaaca 180
tttccttggt gtctgcagag ctgaagacac tcattggtcg tcctttctgg gaatgcactt 240
ggagataatc cccatcaagc gcattttcat cgcaactgag tctagtgcag gcatcaaatt 300
ctgagcaacg ggactattaa ggcagccacc atttttnttc aggttcagng caatcaccaa 360
tatggtcact gaccaagtcc atcatcttga gtccctccaa cagctgcaag ttcctgttct 420
tgcctc 426

<210> 974
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)

<223> n = A,T,C or G

<400> 974
ctttcatagg tcactacaat ccagtgccaa cacagcattg ggtggatccc atgagatttc 60
aaattccaca aagaaaaaat ctacttggtc ctcaacatta cttccaagat tgctggagtt 120
cactgtacca ataaaaactc atggacaaga aaacagaaac tagaagtgaa ggacttcaat 180
atccaagaag atggtgtagc ctcaagatag aaaaagccca cacttctgaa acatcatttg 240
aaaggctgct gaagacctgc atcacatgag gttatcaaac tacagcccac agaccaaatc 300
cagcccacca tctnttttga agggcaggtt gccncatcat gaggatatca agacatccta 360
tggtgaggcc tgtgtgacag gaaactgagg cctcctgcca aaagccctgc gaatgagcca 420
tcgagg 426

<210> 975
<211> 427
<212> DNA
<213> Homo sapiens

<400> 975
gtgcccagac actgcttcag gagcctgagg aacgcagtgg cttttctatc atgacctgac 60
ctgggcttct cagcatgaag acagagctgc attcctggga tttctaagaa gaaaagaaga 120
ttctgtcaag cctgtgttca atcaaaatat cctcccctac atgactgccc cccactccct 180
gccgcaccac ctttcttttt ctgtttttt attgctgtta atgtttaaca tgaaaataag 240
aatgatgtaa cccaggatcc agaagccaat acaaactcaa agcaatttga gtttttaact 300
ttgccctatt tcattggggg ggaaaccaag gtcattaagc atgactttgg caagcacatc 360
aagtgtgtca acacatctta aattacagct gtcaattagt tacctgaaga cttaatatgc 420
caagctc 427

<210> 976
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 976
gtggggtctt tcactgggat ggcctgtcaa ggagcaaacg agatcagatc agagagaaca 60
ggagaaagag ctctgtgcat gtggcttgct gtacatgatt tacaaaatga aactcttcac 120
actgaacctg ggttcatcct tggagcaata tatgaaagaa aacagaaaac agccacagga 180
gcctggaggg acagaggagc tggtcgcttt gtggaccact gtacacctga gaaaggtgac 240
tcttgaaagg aaaagaggtt gcttgacgta ccctttgaag ttcacgggca ctgcaaagaa 300
tgcatttttg tagcttgatc caccttnaaa tgcccanatt catccacatc tgcagcttat 360
gtcacagggc tggcagctaa cagaaaccat cagatctgcc tttgttttct tatcaaatca 420
tatgtgataa tgtcacaac 439

<210> 977
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 977
aaaagtttgc tgacgcctga tatggagcac tagaaagaaa ttatttttcc aagcatcaac 60
ccggaagtcc cagcataccg agggtggcag acatcatttc ttcaatgaac ttagtattta 120
gaaagatatc ttcactccaa gcatcaagtc ttttctgtcc tgcaaaagtc ttaagtcaaa 180
ccagaatcca ctagtagagg gcacctttgg attcaacagt aaaaggagaa tctacaaaac 240
cagctcatca aaaggatatt gaatgaagct atgatacctg tagcagttac tgccattttg 300

gacccataaa ctgacaatcc tttaacaatt accaggaggg cagagcggaa agaacattga 360
tgtcatcact gagttgctgg attaccttac tctagaaata gccaactctg catgnttggg 420
tatttttta aaaagtcttc ccc 443

<210> 978
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 978
acacagagtc tcactctgtt gcccaggctg gggtacagtg ctgcaacgtt gtccaagatg 60
tctggaactc ctggcctcaa gcagtcctgc agtcttagcc tcccaaatct cttggattat 120
aggagggagc caccatgccc agccctgcag ttctttttaa tacatcgatg gtgcttacat 180
ttggcactga attgttctgc cattatggtt tgcatgaagg agaagaaaaa tctccttgaa 240
cacacggtta aattgataaa tttgaaaaga tcatatggag ttgcaagcac tctattgata 300
actacttatt tgngntttaa caactatttt ccatgactnt cctaccttct ttttccaagt 360
caatttctta aatgaccagg acatcataca ccataatccc catatacaca aataacaaat 420
aaacgttctt tta 433

<210> 979
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 979
gaactatgcc caggcagaaa aaaagttact gtaggtgatg aagccagtgc tccctgaacc 60
aaataaaccc tatcgacgtt accgaactgc cgggcaaaac cagagcaact cacttacttg 120
gaaggtgaaa aacacttcaa catactccag gcggcaaccg acacttaggg gccaggcaga 180
tgaaacacca tttgtttaaa aagtctatta tttcactgtc tcttcaacaa agggggaaaa 240
ctgagtgatt aaacactgag ataatgcccc ccttactaaa cctatgattc actaataagc 300
agggtcaatg gccattcata aactttaaag aaaggaatta ccgaagcccc ttgcttnaca 360
aaattccccc aagaaacaga aagagc 386

<210> 980
<211> 260
<212> DNA
<213> Homo sapiens

<400> 980
actgaaaggc agagcaatga gaagcagaac tgcagagaca aggattccag gtgcttggaa 60
gtgagggtgg agccagcccg ggaaaagatt cagccccaga cggctgcacc aggtggagca 120
aagatgtctt ctcttttata catgtcaact agaaggtgac aagagacagg agcccatgat 180
cttaaagctc cctgtgttac ccagcacccc tgtaagattt cctaatcatt cttttataat 240
taaaaaaaag atattttcat 260

<210> 981
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)

<223> n = A,T,C or G

<400> 981
ctttatacaa ttattcccaa atcttctaaa ctgacagtga gggagagtaa tttgaaagga 60
ctgctcaact caacgtcatt tgaagatttg caccacagct gcatttttcc aatttcctgg 120
catctattct gctctcctgg acttttcaaa aacaattgta agtggatgaa taaatataat 180
aactgattcc attgatactc ttagaccatc ctttggactt tctgcttttg gacattttac 240
agtttaaaat ttatttatca tctatcgatg tttcccaaag aaggactcaa agtacacatt 300
gtcaaagatc tcatggatct aantaagggc cggggaacca ggtncagaat catacattgn 360
ctctacacag aggggataat ttctgaagga aagaagaaag taaattcctt aatcaccctt 420
ctggcc 426

<210> 982
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 982
gtcctcaaca agttttccct tctcaccgta cagcctgtat ttctggtgac actgtgtccc 60
cagaacccta ccctgcctcc tgagaagctt gactggtgag gagcagggct gacttctgct 120
taggcccagg aacatccaga cccagcactg cctacttctg gattattggg gcagacatgg 180
ctgctggatg ccatgtgcat gtgcagaaca tcagcaaatg gacacagtga tcctgaattg 240
tatgcccgta tgcagcggat cacctctagc cagcacagca cttcaactga caagcccaga 300
taccacccac agtcaccaac atgcagaaaa ctttgcttta acatgggaga gacgggtctc 360
catgttttgn ctttaagccc ctttcctgaa catcaccacc tggagcctac attctgngct 420
gnattggctc cctgtaaggt 440

<210> 983
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 983
tgctgtgaca gtgtcttaag tagggcatgt tgatagatgg aaaaggacgg caaactcgag 60
gtgctgattc aggaagaagc agattccaag atggaagaga aaatatcgag agaaatatgc 120
cgagagaaga atccaggcag aatggaatcc aggcagaatg gtgaatggaa ggttcgggtg 180
accaagagaa aggaagggtg actcagcaag tctgtagttt cagctcttgt atagtaccgt 240
tatacttgaa aagctgaagc cttttctcgg ggaagagtca gaacggcctg gagggcttgc 300
taaagcgctg ctggcttggc ccccncccgc tgaatgacta atggagactn tgagggccgg 360
ctggtaattt gagtttctaa caagccctgt ttcgatgctg gtacagccga tctanggaaa 420
atattggaac aaggaaaaa 439

<210> 984
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 984

tccggngcca cttttatcta ctggaggtcc ccctgccaca tggcctcatc caaagcagtt 60
tgcttcttca aagtcagcag catcaattgc tctacaattt ggagatatca gacgaacaga 120
gggaaaatgc agtcagtggt ctaaagctgc cccttaggaa atctaaggct atatctggtt 180
ccataaagtc tttgatcant cagtcanaac aactgcagca ttcctgccgc tcagaatacc 240
ttaatggcct tagtagctga ggtcctcaca gcactggcaa gagcaacatg gcattggaat 300
gggaggactg aacaagacgg aagaaaccca agactctntg gtcattgcag aaggaagaat 360
gagagcccaa gcctgaggaa gataaaatga gatgatttgg cttaatatga attaaggcag 420
ctgncagtgg ttctgtaaa 439

<210> 985
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 985
ggcacctggt tttgtgtaga tacaactcag ggaattatct ccacactgca tctgccatga 60
tcacctgtga gcacctcctc ctgaaacccg ncttcacgtc acctttttacc aggccgaccc 120
tacttttctc catctgctaa gaagtgcagc tctaccactg gaagcatcca cttcggtctc 180
actcccatcc ctagtgctaa aggactctct aagagagaat gtcagcacag ttttgacaga 240
aacactctaa aactcctgga tattccagaa aaattaactc tgggcaaaag aacattggca 300
tcaaagnaaa gctcaattta tacaccatta gccanttttt gatagctata aacctgacac 360
gcaaatagga atattttatg gcataacact accgtttaca ttaaagtgct ttttaataga 420
atatgtaatt tagaaatata aaag 444

<210> 986
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 986
atgacngntt tatgtgctgc ccaggatgag ccactgtgcc cggccaaatg agctatttat 60
gatgatcata aggacacaag ataaggaaat ccaatcagtt gctacgtgct gatgattctg 120
attctggccc tgcagtatcg cttgcatgca cctcctcctc cctgtgctca ctgctggaga 180
aaagagaacc ttggctgatg atttatggat ctacaagtaa tcgaagctta actgccacaa 240
aaataacttt atccagtcct ccccccctcc cctgcacctt ctctagttag cgctgtaaga 300
acttggttgc tcaggtggaa ggcatataaa attgnattgn atttgaataa gctccccagg 360
tagcacagta atgtctctgc acttgattaa ataagtcagg tcaatttttc tgcaagtttt 420
cctccattgc agcactaaca tt 442

<210> 987
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A,T,C or G

<400> 987
gnacattgat acatcccatg aatgaagaat atggagaatg aatgtgatca cttacagaat 60
attatccagt gacatatatg ttaaaaaact atgacatttg aacccctatt aatcataaaa 120
ctgttcatct tttgaaaagg agaatgattc tttgtaaatt caaactccat ctgtattatc 180

aataagagta tctcagattg agtttcacac atcgaaact 219

<210> 988
<211> 178
<212> DNA
<213> Homo sapiens

<400> 988
gaattctcca gggacttatc agagttgctg gaagaaaaca gctgaggatt gagcacagtg 60
aactaatttc ctcacatctt tgaataagca gaagttggtg aaaaggaatg taaatattct 120
tatggtaaaa tgagttcaaa aagaatcctt aaatccttaa aattaataaa ccaataaa 178

<210> 989
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 989
ttttctcaga catcaagcag agccttccat ctcacccggc ctctcaagaa cttcactctc 60
agcatctgcc agagtctacc ttcctcactt ctaccctcca ttcccaaaga gcaagaaggt 120
ggatatgtgc cagaaaaagg ctagagatcc tttacctcag tcttttaatt tttaatcatt 180
ggaaagagaa ggaatgagtt acaggagaaa gaataatgga tttgctgtca gaaaccaaga 240
tgaagtctga ttctgccact aatcactctg tgactttgaa ccactcacca aaatggatta 300
atctcataaa acttcgatat cctcatcagt aaagcaaaat agcacacttg tttactgtga 360
ggtgcaaaat tcgtcaaatg cctttataaa ccacatggtg ccctgtgaat gtaaacagta 420
tgatgtggat tcctctaaca ctgatggcga agtggcactg aaagggcttc ttaagcttca 480
taaacgccta cacaaaaacc ggncattatg ccctcctttt ncctaaaaag tcttca. 536

<210> 990
<211> 270
<212> DNA
<213> Homo sapiens

<400> 990
gggaatactg cgaaggagca aactgcagct tgcctggaaa cttgcagcaa gccataccaa 60
ctccaaagtt gaaaattaac aatagaggtc agcctaaaaa agcaatgttt ttcccactac 120
tatctattat aaactgtgct ggatataatc acctttgggg aatgaaaatg tttccccaca 180
ctatgtaatt aaagacgaag gggaagagga ggaaaggaga aggggagaaa gtatatacca 240
aaagaccaat aaaatgcttt caaggagatt 270

<210> 991
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(286)
<223> n = A,T,C or G

<400> 991
nagccaaggt atacccatgc tgggccatcc tccctcaatt aaatgcagtt gtgcaaacca 60
ggaaggagag aggagcatgc gnctgactgc acgcggttaa cacactgcgg cgcccccaga 120
aacagtcctc ctgcagcagg tgcctcagaa atgagcttct ctctccaggc tcatgctctg 180
acacttgact ttctcagctg taagatggga ataacagtgg cgccttccat gtagatatat 240
gttagggttg atgagatggc gtctggcata aaatcaatgc tcaagg 286

<210> 992

<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 992
ncagtgttaa cgtaaaccaa gagccccaca agaagtcatt aaagctgtgc tgttaagagg 60
ccagagcnct ataaaatagg cnagaaacan ggncttgaga aacatgctgc tgtcctcaaa 120
aacaaccttg caaacac 137

<210> 993
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 993
tttnaggatc tgaagctgag ggaattctac tgtgagggaa acccactgtt cctgcagcag 60
ccagtgattt ctacacagca ggagaacgtc tggagtctac aggaaataac atcaagattt 120
gtaatgaatc agctagcaga aaataaccct ttcctaatgg atgacataga acggtaccca 180
caagtcagga gcatgatctc tcagggaaaa acatgtgcaa tatgtggaca gtactttata 240
accgtatggc tggaatgtgt tcgatttgtt cctccaccaa aggactggaa gataagcaag 300
aatctgaagc tggtgcctct ccaagtatta atttgttctt acaaatgttt tactcaacgt 360
gaccctaacc tctttggaat tgctcangtg tagaacaggt gaggtgctca ttcatagcct 420
cactccactt 430

<210> 994
<211> 67
<212> DNA
<213> Homo sapiens

<400> 994
gaagtgtaaa aggatacgaa atatttcttg catgatgtcc tagcaagaat tcttacacct 60
agtttgc 67

<210> 995
<211> 309
<212> DNA
<213> Homo sapiens

<400> 995
gtaattcgaa ttcagctaac ttccatgggg tccacctgag tcttgagaag aactgccaga 60
atctggaagg ccaagctgct ctctgcatcc tcttatcact ggtaaccact tcaagtcctt 120
tatgtataga atgctccagg ggggtgggtc tggcactcat ctctttattc cacaatctcc 180
actggacaca ggtcatgttt tagaaacatt tctctttaaa tcagtccttt acttgattgg 240
agacagacag gaaggaagta cacacctgca ctttcaataa aaggaagaaa ataaaagtgc 300
ttaacattc 309

<210> 996
<211> 447
<212> DNA
<213> Homo sapiens

<400> 996
atttagtcaa tgggaacccc ttcaagttgg ctcttttgtc tttttggcat gtcccatcat 60

atttggagtc ttaagaattt acatcttggt tatctgcttt cggcattcca ctctcctagc 120
gacggcttca ggaagtgatg gatactcctg cagaagcaga tctctgcccc tggacagatg 180
gggaaaggct actgggaagg cagttagtgt ctgctgcagt gcacacaaaa atgggaagca 240
gtacgtgcaa tgctctggaa agatgattgc ggcaagagct tcacctaaag gactagtgag 300
gacaggattg tatcaatagg tattggttcc taataaacat cttgcacctc aaattccatc 360
ccagaatctg cttccagaga accccatcta taccaagacc ctgatgatcc cagtcatctc 420
aagttattcc tgctgaagtt ccactct 447

<210> 997
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 997
aactgtccaa actgatgaca gcacagacat ttctgacgtg aagaagaaag accggctcta 60
gcacgtgacc agcattctca tttcccactc acattcggat ctcggctctc aggctacatt 120
ctggtcagga tgaattacat gtataattca aaatcaagaa agctgttcaa gtacaacgtg 180
tgaggcttct gccaacgtcg aaattcatta ggaaccatga ttttggctga gcacatggct 240
ctgttttgag ctcttttatt ccggtgttat tgctcattca cttaaagnga aatacgtgag 300
tcagagacaa gatctctttc ccttttcatg tttctccaat ttatctccct tggcataata 360
aatatctcaa gcc 373

<210> 998
<211> 432
<212> DNA
<213> Homo sapiens

<400> 998
acggagtcta gctctgtcac caggctggag cacagtggca tgatctcgac tcactgcaac 60
ctccactgaa gaaggaattc atgaatttta caagtataat caaagaccac caagaaattt 120
ttacttttc cttcaaaagc taagtgtagt gtagcacccc ctgcccatag tctaagttac 180
agaagaatac taactgcctg tttttctttc tgtgttgtga gccttatctg ttctcaccag 240
tttcacattc cttgaggctc agtgagttcc tgctgcacct ccctagcaca gctgcaaagt 300
tacaaggttg atatgccgta tgttacagaa acatagtttc ccaaggatgt ggaacatgta 360
gtatagataa atgtaaaaga ctgatcaact gcctttgttc tcgcttgtgt aagtagactt 420
catgaatcac ag 432

<210> 999
<211> 300
<212> DNA
<213> Homo sapiens

<400> 999
actcggcaga ctgattaaag gacagggtca cccatacaca ccggagctca gaaaaagtgc 60
acgtaccttc cacacagcga cagccctctt gcagcacccg tgcatacata tccactttgg 120
actgagaaag gagctggtct ccagtcagct caagccacgt gacctgtttc ctcccacttc 180
accttctacc atgagtaaaa gctccctcca gcctccccag agaagccaag cagatgctgg 240
caccatgctt ctggtacaac ctgtagaatg tgagccaatt aaaactcttc tttataaatt 300

<210> 1000
<211> 307
<212> DNA
<213> Homo sapiens

<400> 1000
aggctgtaca tgctgcctcc ttggtcctat gaaggtgcca cgaacacaac aagctacacc 60
agggaagaac tggagtgtat gttccttatg atacacttga aagcccaact gcagggaacc 120

tgaacacatg gatctgcatg ctagtgaaac actgcacgct ttatattgca catttctagt 180
ggaaaatact atgactgtac ctggcaatat tttcataaat attatcctgg aattccattc 240
atattcttag aaaataattt agcaggagca aaaaaaaatg aataaataaa tagccatgtt 300
caaaaac 307

<210> 1001
<211> 285
<212> DNA
<213> Homo sapiens

<400> 1001
atgcacgagc tgagatggct gaaaaccacg aagtaggatc tcatcctggc agtggctgaa 60
ttacaatgca aattgaattc ccaaccttgc agaccatctg ccgttaaaag tgagggcata 120
gattgggaag gaattctgcc tttggactcc gatgccaaca tcagctcttc cttggttctc 180
cagtctgtgg cctgatctgc agatttcaga cttgccatcc ccacaatcgt gtgagttgat 240
tccttaaata taattcttta aaataaatct tccccctttc tctac 285

<210> 1002
<211> 73
<212> DNA
<213> Homo sapiens

<400> 1002
gtggggtctt tcacagtgag tcgagatcat gccactgcac tccagcctgg gtgacaaagc 60
gggattctgt ttc 73

<210> 1003
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1003
gctcaactcc gaatggattg gattgcgagt ctgcacgtga gaaaaccgtt tggcttggct 60
tggacccctg ccgccccca cctcctccac acacacccag tccaggggtc ccctttatca 120
ccctttgctt gcaactccaa aagaagttgc ccacctcctg agtcacaaca caaggtcgaa 180
taattcctct agatgaaaga tcagtttcat ttcaaaacga gaataggttc ctttttttat 240
tttctccaca tggtacaaaa taaacagaat ttgcttt 277

<210> 1004
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 1004
gcacagccaa tcaaccatcc atcctctcct caaccttcca gaagactgtg agtcctgaga 60
gcatagaaac tctcctgatg ttgctcccag accgtgaccc gtgctggcaa agcttctatt 120
cccatgtggc tgcatgtttc ataaggagag ctactaaaat gcaggaaagc acanaggctt 180
aatngctnag ctagatgggc actcagccaa caccgctgtt agcanaatga anctcaatct 240
tacanaataa gtgctgaacc tcggctctgg atcgcccnag ccccacatgg attgcgtgtg 300
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